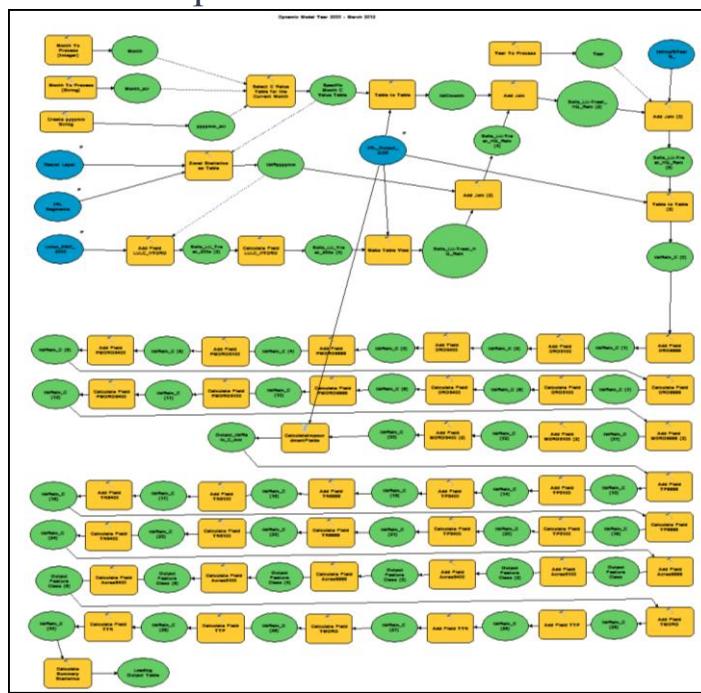


Spatial Watershed Iterative Loading (SWIL) Model Methodology Report

Updated for SWIL 3.0



Developed by



Applied Ecology Inc.

For



10/15/2015

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1 Background of the Model

FDEP has identified the Indian River Lagoon and Banana River Lagoon as impaired waterbodies due to nutrient over-enrichment. In March 2009 FDEP issued TMDLs for the IRL and BRL requiring reductions of TN and TP in stormwater runoff by 21% to 69% across the Lagoon (Gao 2009). The TMDL was established on the basis of a relationship between nutrient loading and seagrass depth limits. Nutrient loading estimates were calculated using the Pollution Load Screening Model (PLSM), originally developed for smaller areas within the IRL (Bergman and Donnangelo 1995, 1996a, 1996b, 1998), and later expanded to the entire IRL drainage by SJRWMD to represent loads for the year 2000 (Adkins et al. 2004). Seagrass depth limits were developed by SJRWMD from a 1943 to 2001 series of photo-interpreted seagrass coverages.

Through an Interlocal Agreement and a Joint Participation Agreement, all MS4 permittees within the Brevard County portion of the IRL (17 entities) partnered to fund a Study Team to update and refine the 2000 PLSM model and associated TMDLs for the IRL. After the TMDL was established, additional data were collected enabling the Study Team to re-visit the TMDL and address pertinent questions that have arisen regarding pollutant loading and seagrass relationships. The Spatial Watershed Iterative Loading (SWIL) model was developed as part of this study to incorporate more available data, more recent conditions, and more temporally fine datasets. SWIL is a custom ESRI ArcGIS toolset, providing a continuous monthly simulation of runoff (surface and baseflows) over a 16-year period, yielding a more robust representation of pollutant loadings and freshwater volumes in the IRL.

The SWIL model has been updated since the initial version was developed in 2012 (SWIL 1.0). By July 2014, SWIL 2.0 was released focusing on addressing initial FDEP comments, improving the ease of execution and reducing the overall processing time. SWIL 3.0, released in April 2015, focused on improving model calibration to the measured available gage data, which included a change in the methodology to derive baseflow volumes and loads. SWIL 3.0 also incorporated the newly released evapotranspiration (ET) raster datasets, which were updated using the newly improved Mu et al's ET algorithm (2011).

The goal of SWIL is to provide a GIS-based model that can be adaptive to changes in input and batch complex processes through several months or years on demand. SWIL aims to provide both spatially and temporally fine-scale volumes and loads (TP and TN), allowing input data to be related to water quality parameters. Since temporal and spatial differences in water quality sampling appear essential in understanding the Indian River Lagoon and Banana River Lagoon system, an input watershed model that provides data at the same fine scales is critical to the TMDL process. The portability of the model (a toolset within ArcGIS) and flexibility of its design are key features of the SWIL.

Some of the key differences between the original PLSM model (developed by the SJRWMD) and the SWIL model are:

- the PLSM model provides volumes and loadings for one snapshot in time (set to the year 1999), while the SWIL model includes 1995-2010 data, but could be adapted, with additional input layers to additional time periods
- the PLSM provides annual volumes and loadings, while the SWIL computes monthly values, which can be then aggregated, within the toolset, to annual values

- the SWIL model provides separate estimates for direct runoff and baseflow volumes and loadings unlike the PLSM model
- the SWIL incorporates updated soil, land use, and treatment input layers, using the best available information from both agencies and stakeholders
- rainfall is spatially weighted in the SWIL based on interpolated rainfall surfaces from multiple gages throughout the study area and assigned to each of the 57 subsegment, whereas, in the PLSM model, each sub-basin (3 total within the model domain) was assigned an average value from representative rainfall stations
- the timing of loadings released from seasonal impoundment management schemes is taken into account in the monthly output of the SWIL model, whereas it is addressed in the PLSM model by reducing the annual rainfall to an average of the rainfall volume that falls during the portion of the year that the impoundments are open to the IRL.
- EMCs and C values for the SWIL were updated with best available information (provided by Environmental Research and Design, Inc. based on research conducted for FDEP's development of the Statewide Stormwater Rule)
- the SWIL includes information for each treatment area (dry versus wet pond), and provides newly developed treatment efficiencies for each of these types; in contrast, the PLSM, provided a one size fits all treatment efficiency

2 Overview

The SWIL Model tools operate in the ArcGIS environment. Some of the functions require the Spatial Analyst extension. The tools are accessible in a toolbox that can be accessed in ArcCatalog.

The SWIL model was initially developed using ArcGIS Model Builder. Model Builder allows geoprocessing workflows to be developed graphically on a canvas. ArcGIS model builder enables the formulation of geoprocessing work flows, linking single GIS tasks and functions together to produce a desired outcome.

As the SWIL Model tools grew more complex limitations in the Model Builder capabilities were reached. Execution time was impractically slow using Model Builder. Some operations such as iterators were unnecessarily difficult to work with and join operations did not work reliably in Model Builder. To improve overall reliability, make the tool easier to use, and to decrease the execution time, the SWIL Model has been completely rewritten using the Python scripting language.

Python is a widely used general-purpose, high-level programming language. Its design philosophy emphasizes code readability, and its syntax allows programmers to express concepts in fewer lines of code than would be possible in languages such as C++ or Java. The language provides constructs intended to enable clear programs on both a small and large scale. Python is also the scripting language supported by the ESRI ArcPy site module. The ArcPy module is used to automate the analysis and mapping of geospatial data in ArcGIS.

2.1 SWIL Model as a Toolset

The SWIL Model is organized as a collection of tools. The SWIL version 3.0 toolset is shown in Figure 1. The order in which the components are listed is the order of execution.

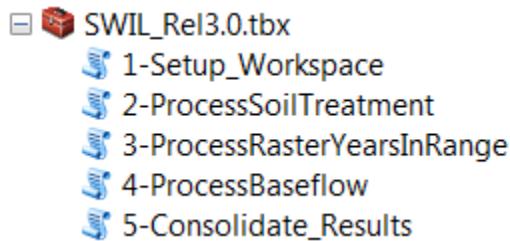


Figure 1. SWIL Model Toolset.

This toolset contains all the processing for the model. Within the toolset, the processing is grouped in two study year groups (1995 to 2002 and 2003 to 2010). The major components are the Static Model, Dynamic Model and the Baseflow Model. These models are shown in Figure 2 and described in the following sections:

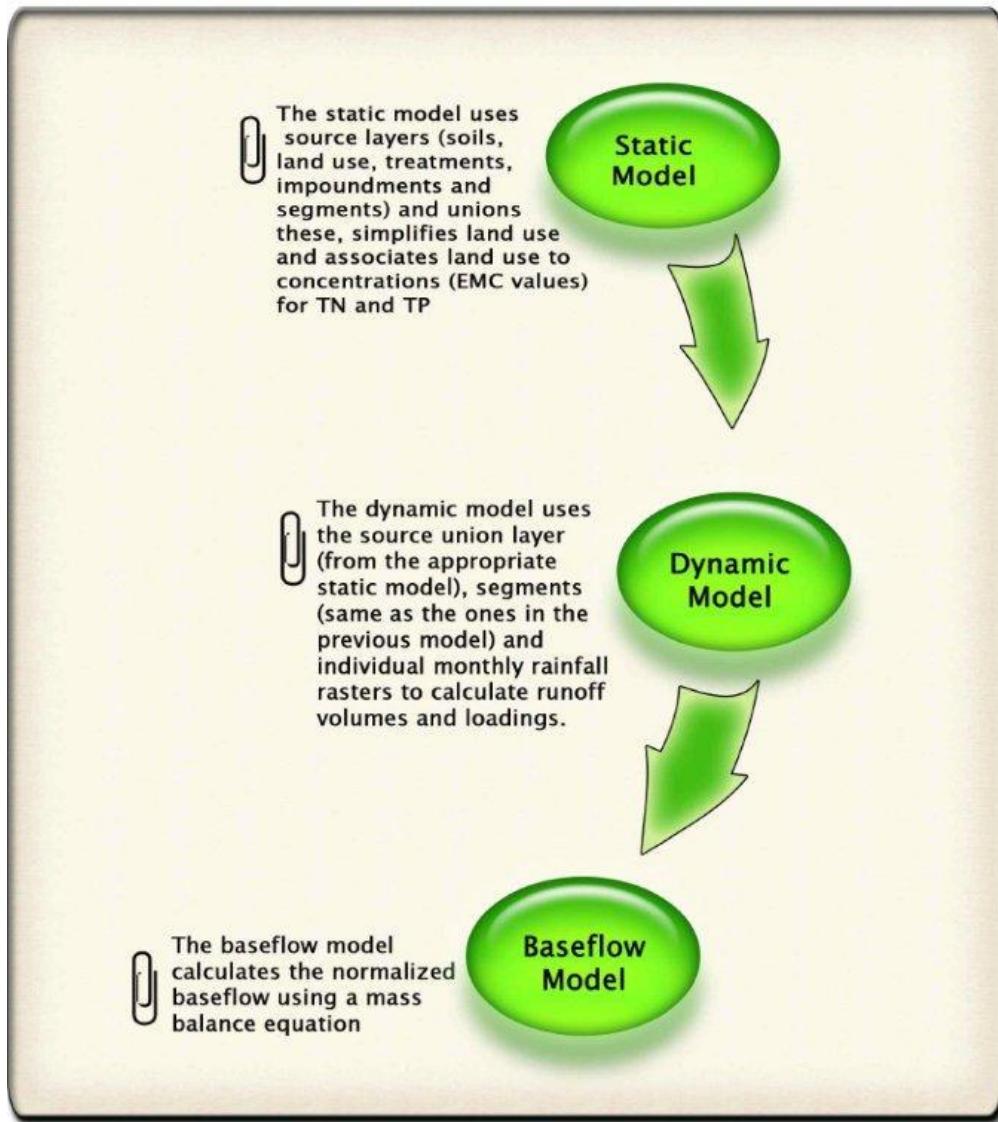


Figure 2. High Level Model Flow Diagram

2.1.1 Setup Workspace Tool

The Setup Workspace Tool script sets up the workspace that is needed to run the model. It creates any directories that are required that do not already exist and it also creates the necessary geodatabases used during the model execution. The directory structure expected by the model is shown in Figure 3. **The user must not change this structure.** Time stamped log files are produced during model execution and stored in the Logs directory. A new log file is produced for each day the model is run. The model uses the geoprocessing environment variable to set the workspace and then uses relative paths to the directory structure shown below to determine the complete paths to geodatabases, rasters, tools, etc. used by the toolset.

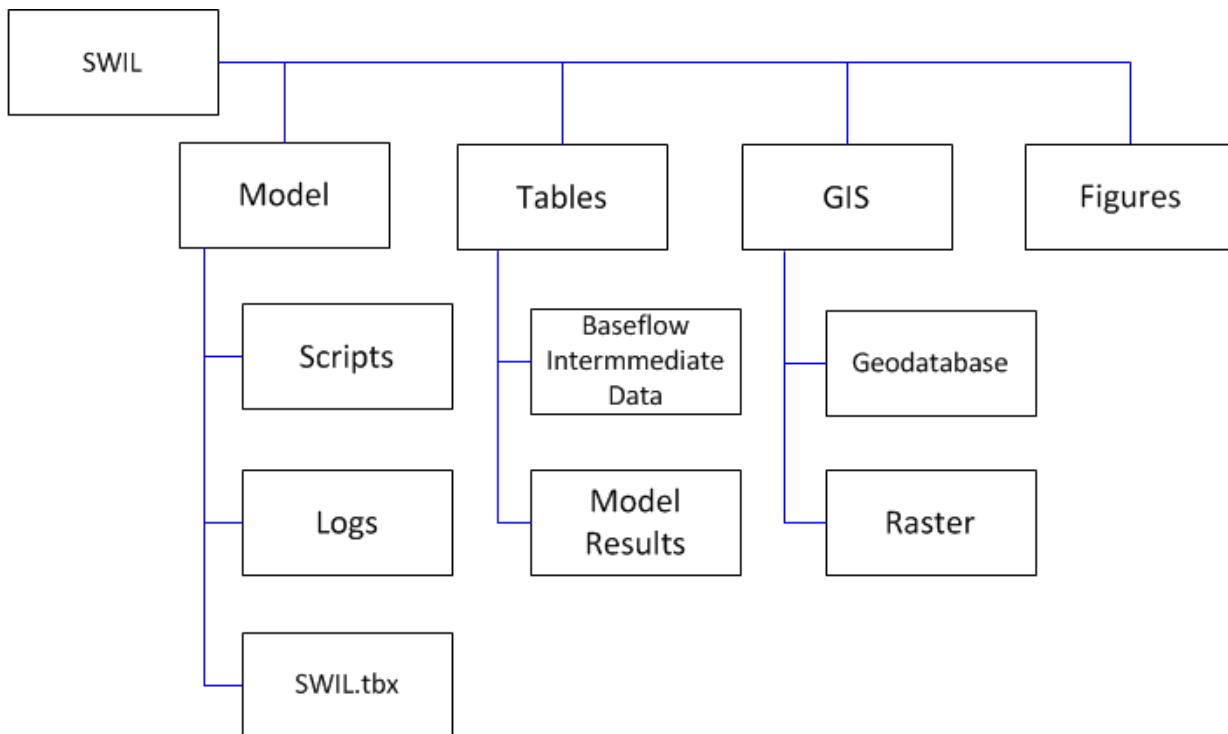


Figure 3. Directory Structure

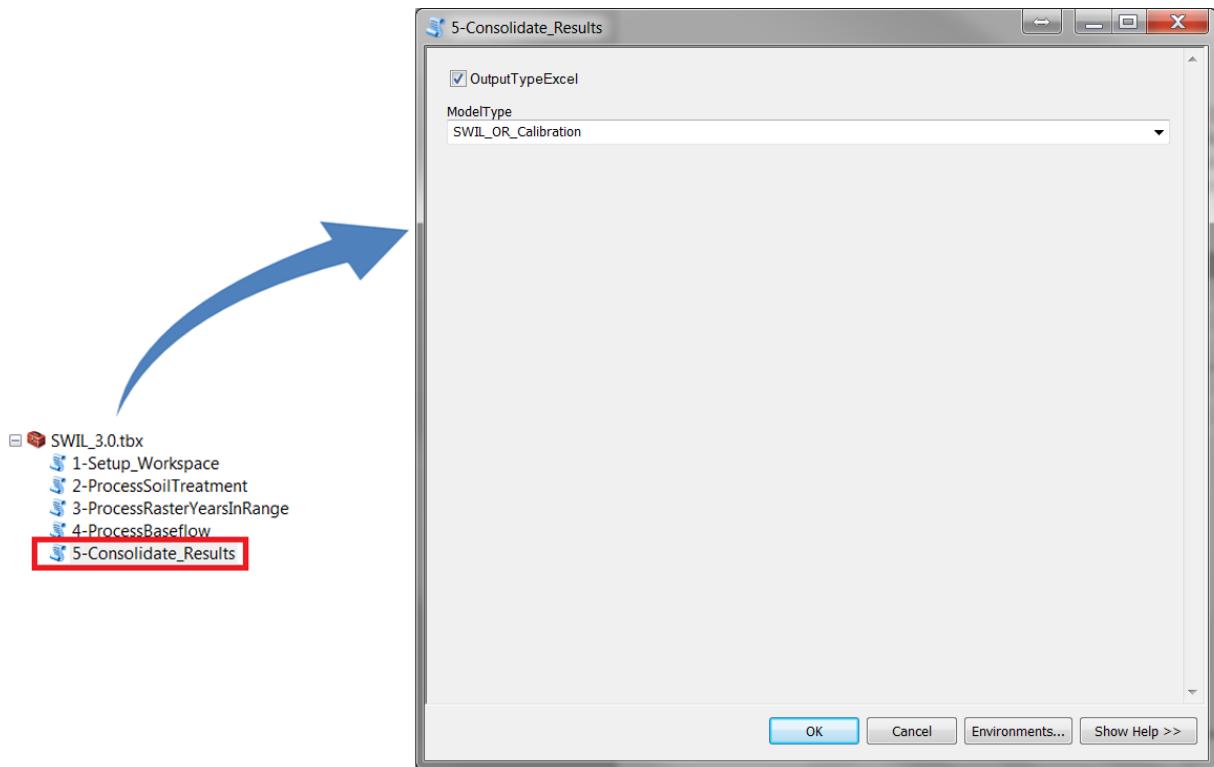


Figure 4. Setup Workspace Tool

2.1.2 Static Model

The static model uses source layers (*soils, land use, treatment, impoundments and segments*) and unions these, simplifies land use, and associates land use to concentrations (EMC values) for TN and TP. This process is "Static" since it only needs to be run with updates to any of the following input layers: land use, soils, and treatments. In the current SWIL 3.0 model, only two modeling periods (1995-2002 and 2003-2010) are captured by using the years 2000 and 2004 land use and treatment input.

The Static Model resides in the tool, 2-Process_Soil_Treatment, as shown in Figure 5.

1. This tool utilizes input data in the geodatabase:
 - Model_Inputs.gdb
2. This processing step produces tables which are stored in IRL_Model_Source.gdb
 - Union EMC 2000
 - Union EMC 2004
 - Union EMC 2000 Statistics
 - Union EMC 2004 Statistics

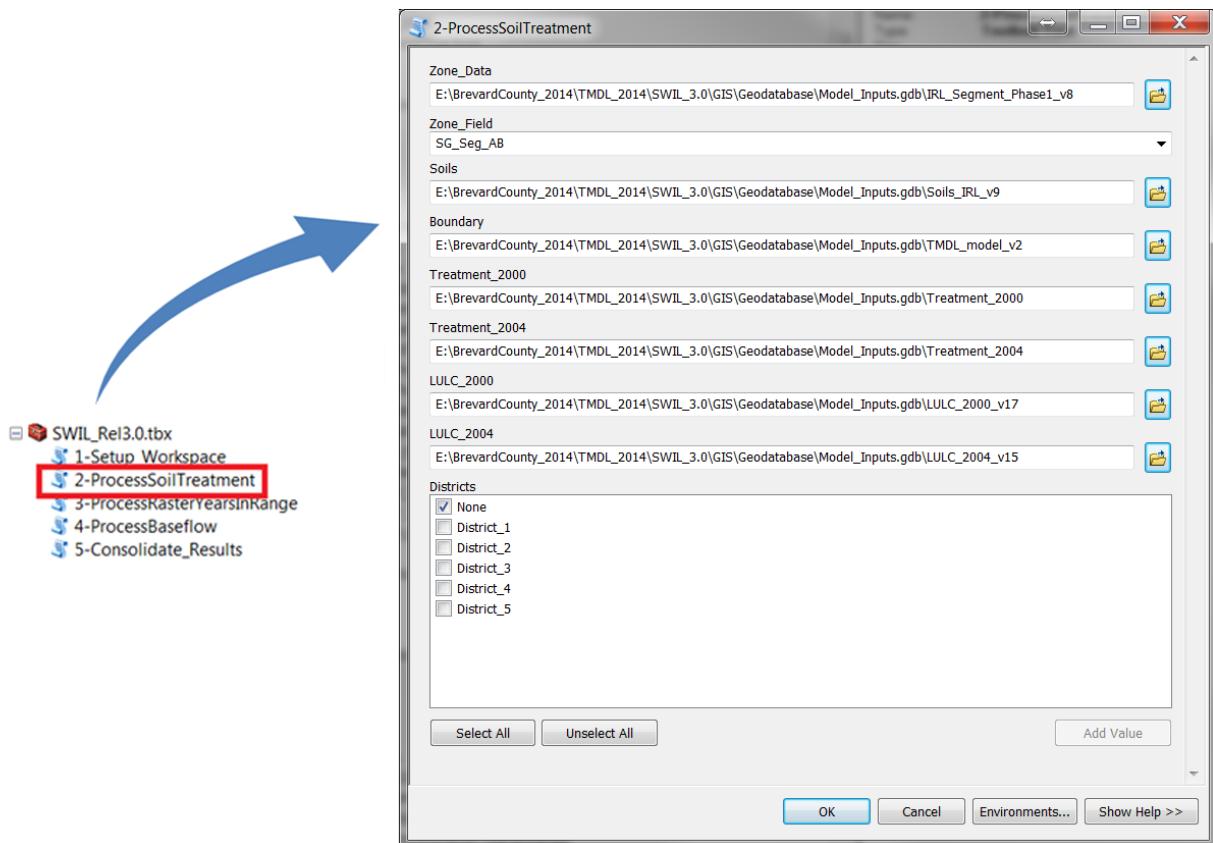


Figure 5. Static Model Tool

A top-level view of the processing inputs and outputs of the modeling years 2000 and 2004 are shown in Figure 6 and Figure 7.



Figure 6. Static Model 2000 Inputs and Outputs



Figure 7. Static Model 2004 Inputs and Outputs

This tool executes the Python function Process for the 2000 model year and then again for the 2004 model year. The major processing components are shown in Figure 8. This function makes heavy use of the “In_Memory” workspace to avoid disk access.

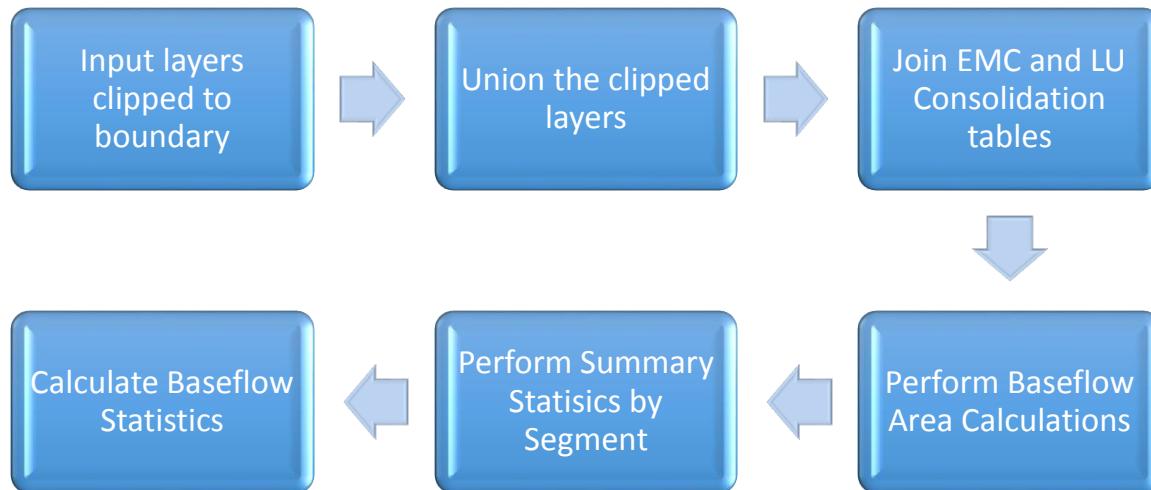


Figure 8. Process Function

The Perform Baseflow Area Calculations processing adds and calculates the following fields to the Union_EMC_2000 and Union_EMC_2004 tablesArea_NoWater_Acres_200x

- Area_NoWater_Meters_200x
- Impervious_NoWater_Acres_200x
- Impervious_NoWater_Meters_200x
- Area_Developed_Acres_200x
- Area_Developed_Meters_200x
- Impervious_Developed_Acres_200x
- Impervious_Developed_Meters_200x
- Total_Area_200x

The Calculate Baseflow Statistics processing step adds and calculates the following fields to the Union_EMC_2000_Statistics and Union_EMC_2004_Statistics tables

- Percent_Impervious_NoWater_200x
- Percent_Impervious_Developed_200x
- Pervious_Developed_Meters_200x
- Pervious_Undeveloped_Meters_200x

The fields produced by both baseflow processes described above are critical for the Baseflow module component of the SWIL model.

2.1.3 Dynamic Model

The dynamic model calculates direct runoff volumes, TN and TP separately for four categories of land use: 5100 (streams and waterways), 5400 (estuaries - the Indian River Lagoon and Banana River), 5474 (Spoil Islands), and all the rest (9999). The number 9999 was not assigned based on the FLUCCS classification number (it was arbitrary). Each month of the study period will have an associated output table.

The Dynamic Model resides in the tool, ProcessRasterYearsInRange, as shown in Figure 9. It uses the following data as input:

- the 192 months of rainfall rasters (January 1995 through December 2010)
- Union_EMCA_2000
- Union_EMCA_2004
- Union_EMCA_2000_Statistics
- Union_EMCA_2004_Statistics

The Dynamic Model portion of the model produces loading tables, tblLyyyymm, for all 192 months of the study and are stored in the geodatabase, IRL_Model_Output.gdb

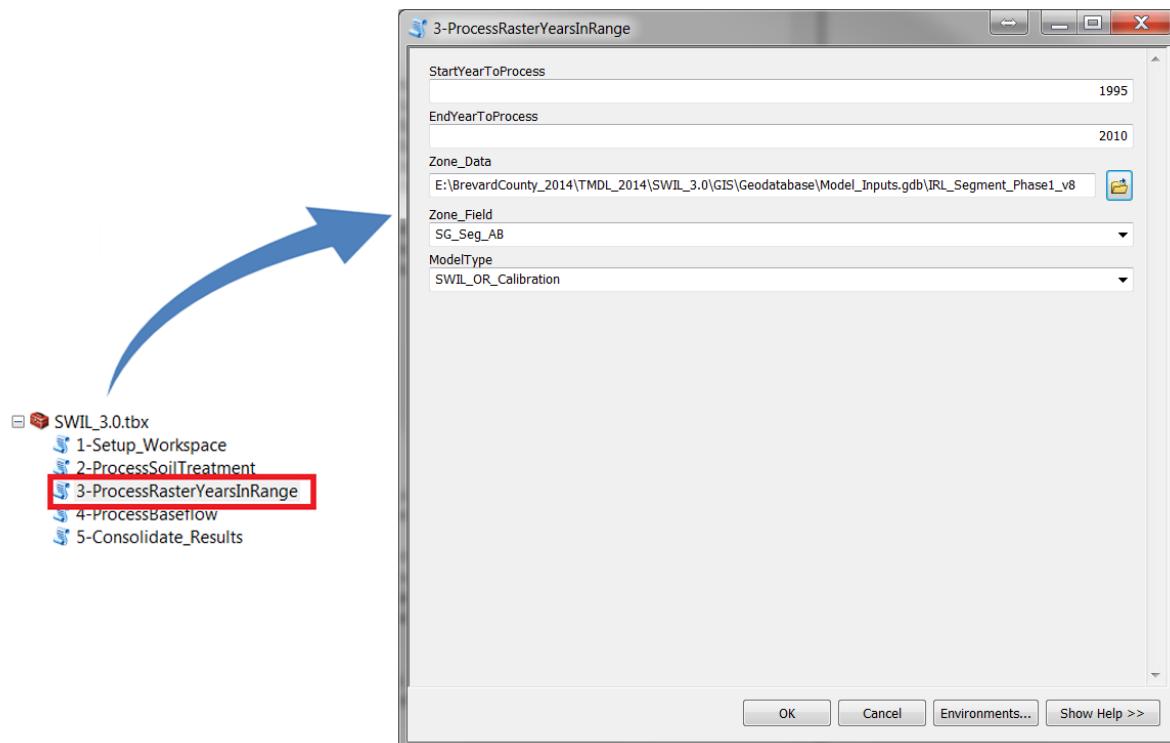


Figure 9. Dynamic Model Tool

A top-level view of the processing inputs and outputs are shown in Figure 10 and Figure 11. This processing step generates one table of results (volumes and loadings) per month per year ultimately resulting in 192 tables.

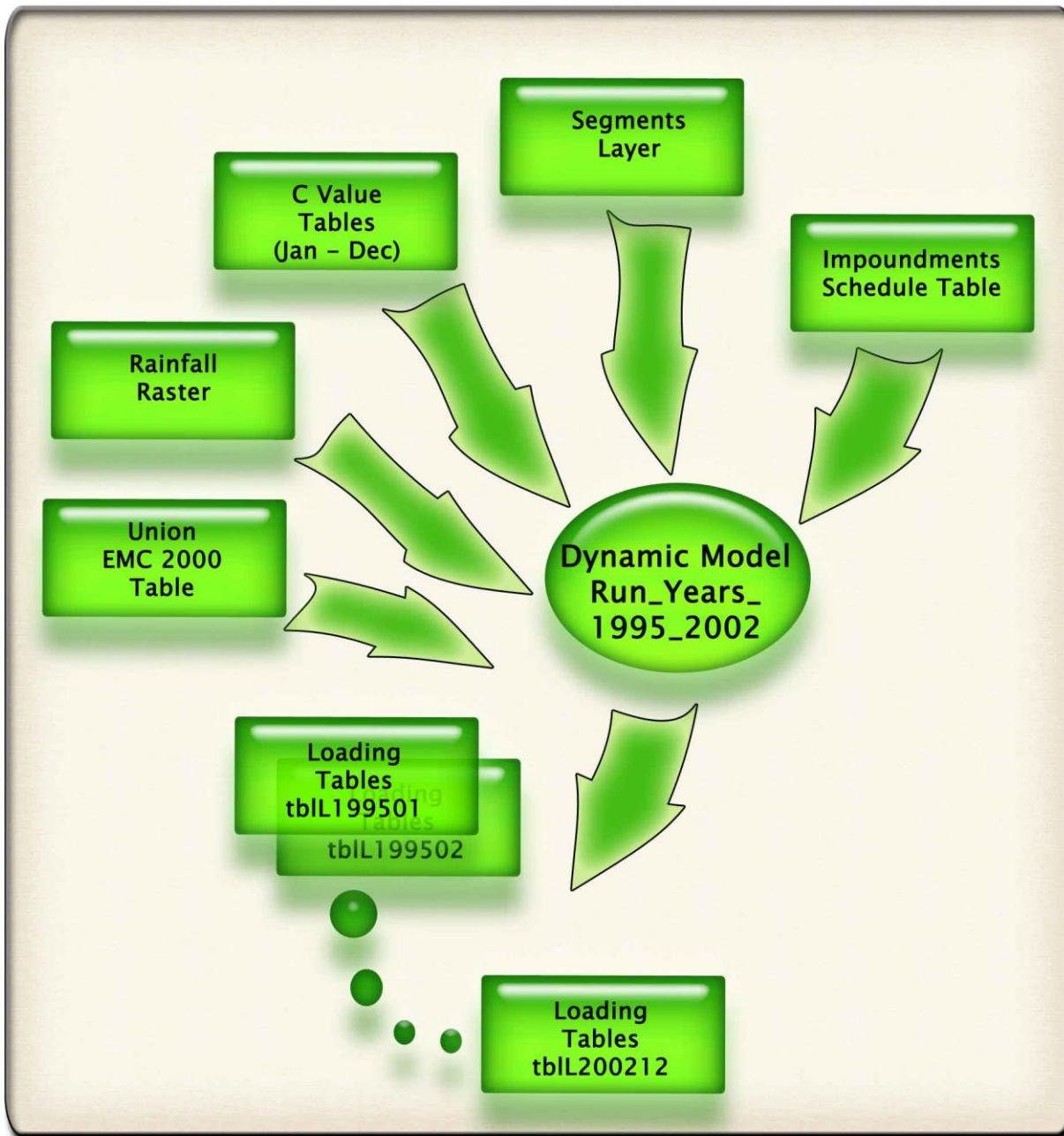


Figure 10. Dynamic Model Year 2000 Inputs and Outputs

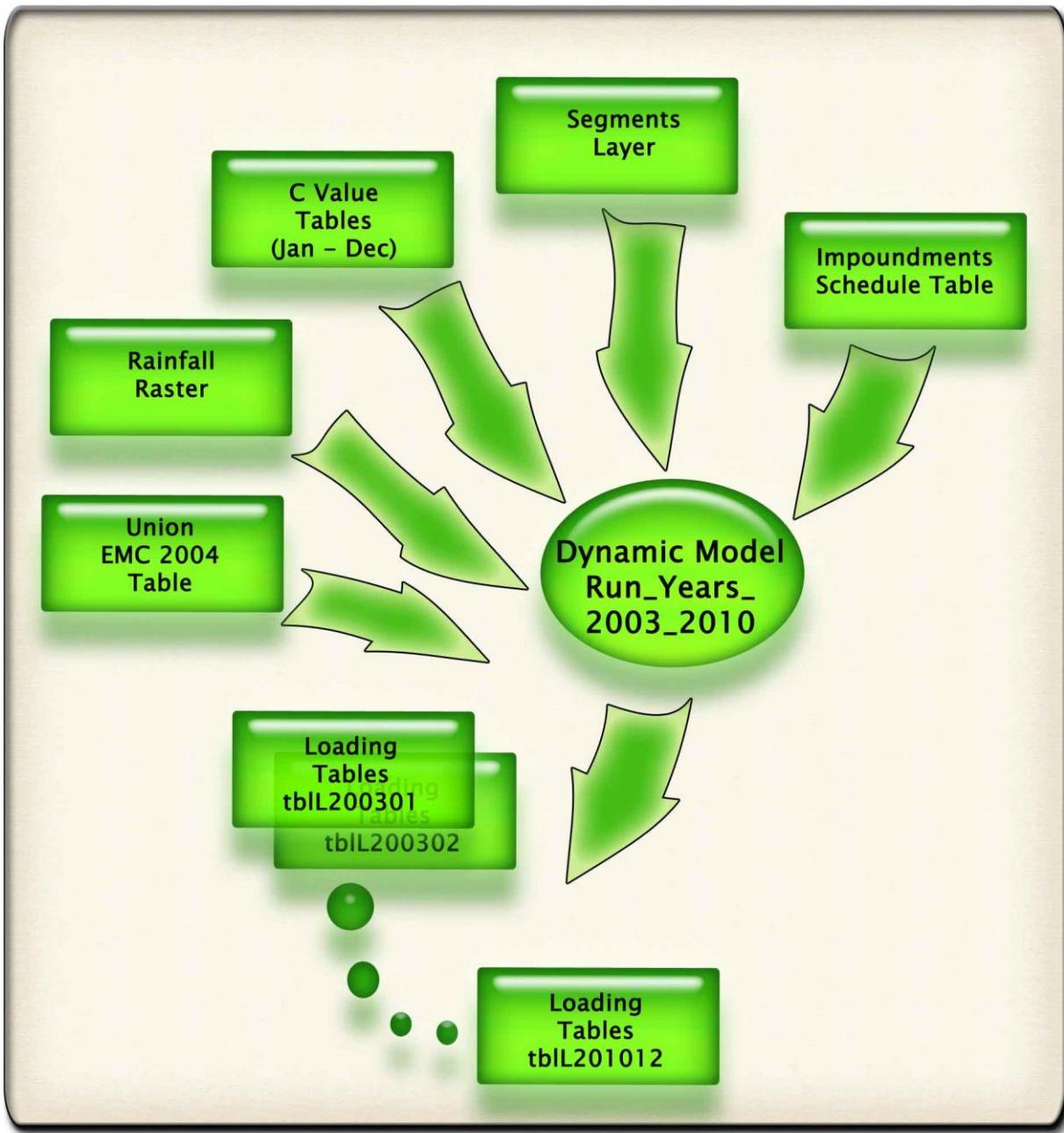


Figure 11. Dynamic Model Year 2004 Inputs and Outputs

When the execution of this tool begins it makes a sorted list of all the rainfall rasters in the sub-folder "GIS\Raster\Monthly_Rainfall". This tool then executes the Python function processMonth for each rainfall raster in the sorted list. The major processing components are shown in Figure 12. This function makes heavy use of the "In_Memory" workspace to avoid disk access.

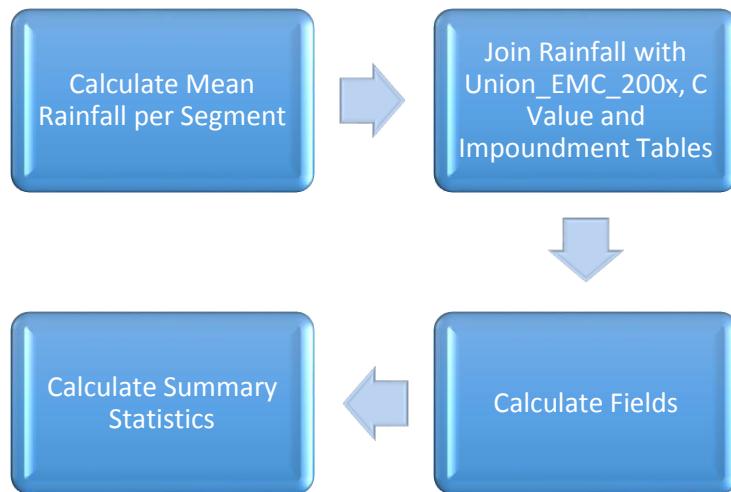


Figure 12. processMonth Function

The calculations taking place to achieve monthly volumes, TN, and TP loadings include the following general steps:

- Extract monthly rainfall averages for each TMDL segment using source rainfall rasters and join the data to the union layer (output from Static portion of the model)
- Join the applicable C value (runoff coefficient) based on month, land use and soil hydro group type
- Join the appropriate Impoundment Schedule for each of the impoundments within the study area (based on year being processed)
- Calculate Direct Runoff volume for 5100, 5400, 5474, and all other (9999) land use types (named DRO)
- Modify the direct runoff volumes based on treatment efficiency reductions depending on year and type -wet versus dry- of treatment
- Modify the runoffs even further using the correct impoundment regime for each impoundment in the study area according to the year being processed (named MDRO).
- Finally calculate TN and TP loadings for 5100, 5400, 5474, and all other land use types and total loadings per segment

The Calculation Fields processing adds and calculates the following fields to the monthly table, `tblRain_C_yyyyymm`. Note that this intermediate table created is using an “In_Memory” workspace. And due to the size of these tables only the twelve tables for 1995 and the twelve tables for 2003 are written to disk for analysis. In the bulleted list below “xxxx” represents four actual fields (for land use categories 5100, 5400, 5474, and 9999)

- `DROxxxx`
- `ImpDROxxxx`
- `Baseflow_DROxxxx`
- `MDROxxxx`
- `TNxxxx`
- `TPxxxx`
- `Acresxxxx`
- `MTNxxxx`
- `MTPxxxx`
- `TMDRO`
- `TPP`
- `TTN`

The final output table for each month, `tblyyyyymm`, is produced by executing the Summary Statistics by segment on the table, `tblRain_C_yyyyymm`.

2.1.4 Baseflow Model

The design of the Baseflow processing closely follows the Environmental Research & Development (ERD) baseflow model implemented in an Excel spreadsheet. The Baseflow Model corresponds to the dynamic baseflow water runoff portion of the model with each month having an associated output table. The baseflow model uses the loading tables (from the Dynamic Model) as inputs. Due to the confining layer typical of the Indian River Lagoon’s geology which prevents downward movement of groundwater, the baseflow model is based on the following water budget equation:

$$\text{Baseflow} = \text{Precipitation} - \text{Evapotranspiration} - \text{Direct Runoff}$$

The monthly baseflow volume is a function of groundwater input for that specific month in addition to the groundwater storage carried over from the previous month. In addition, calibration taking place during SWIL 3.0 changed the normalization process of the baseflow volumes by incorporating Groundwater Storage Depth, an area-weighted groundwater input variable. For more details regarding this variable and how it is used in normalizing monthly baseflow values, please refer to the calculations described under the CalculateBaseflow function below (p.21).

The Baseflow Model resides in the tool, ProcessBaseflow, as shown in Figure 13. This processing step uses the following data as input:

- the 192 months of ET rasters
- tblLyyyymm

The results from the direct/surface processing (tblLyyyymm) and the baseflow processing (tblETyyyyymm_v5) are merged into one set of outputs (each month will have an associated output) as tbl_Finalyyyyymm and are stored in the file geodatabase, IRL_Model_Output.gdb.

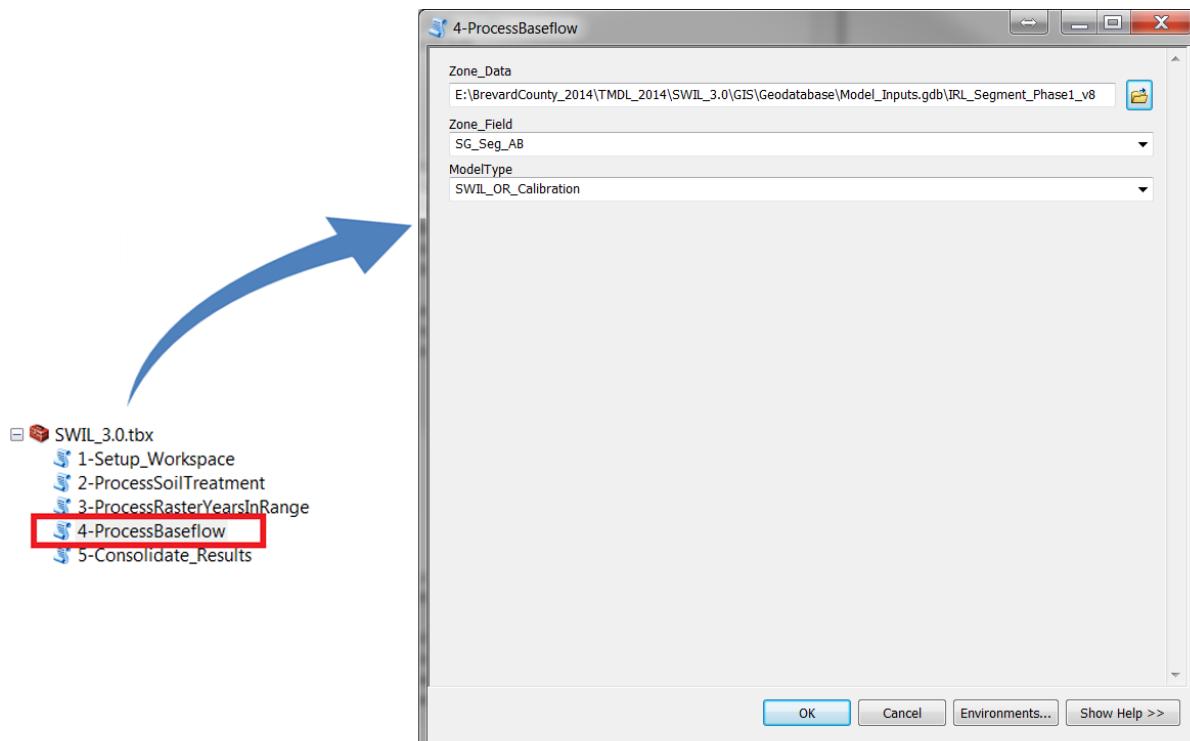


Figure 13. Baseflow Model Tool

A top-level view of the processing flow is shown in Figure 14. This processing step generates one table of results (volumes and loadings) per month per year, ultimately resulting in 192 tables. This function makes heavy use of the “In_Memory” workspace to avoid disk access.

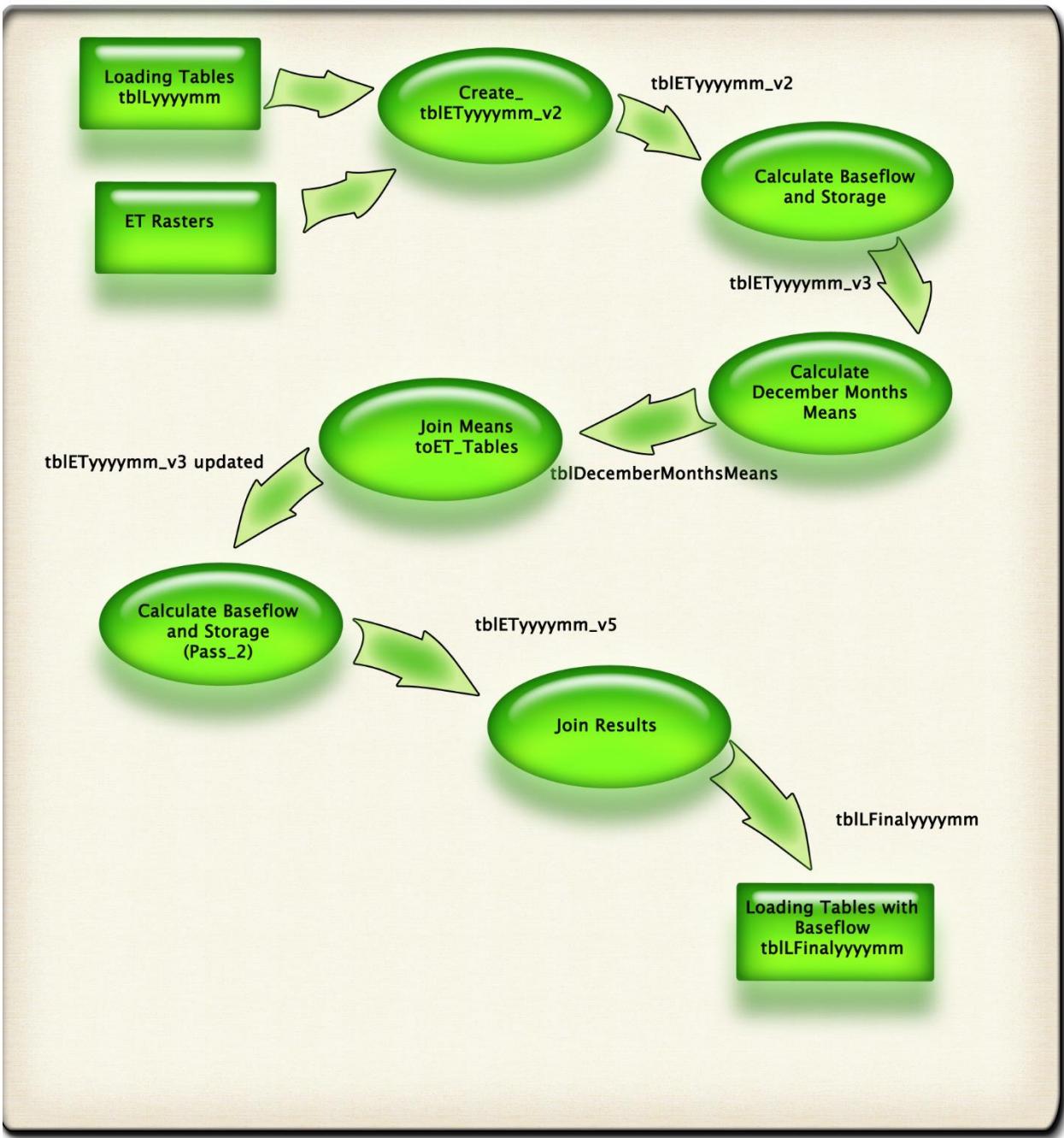


Figure 14. Baseflow Processing

When the execution of this tool begins it executes the Python function Create_tblETyyyymm_v2. This function subsequently creates a sorted list of all ET rasters in the sub-folder "GIS\Raster\IRL_ET_2014". It then iterates the list of ET rasters and executes the geoprocessing tool Zonal Statistics by segment on the ET Raster for the current month producing a new table, tblETyyyymm_v1. After this initial table is created, a series of joins are executed using the following as input creating the table tblETyyyymm_v2 as output:

- The table tblETyyyymm_v1
- Union_EMCA_2000_Statistics
- Union_EMCA_2004_Statistics
- The tblLyyyymm loading table

Next, the Python function CalculateBaseflow is called to perform the first pass of the baseflow processing. This function creates a sorted list of all tblETyyyymm_v2 tables in the file geodatabase, ET_Model_Output.gdb. It then iterates the list of tables and performs the following calculations and then saves the output to a new table, tblETyyyymm_v3:

```
# Calculate the currentGW_Storage
currentGW_Storage = currentGW_Input + previousGW_Storage - previousBaseflow

# Calculate GW Storage Depth
if currentGW_Storage >= 0:
    GW_Storage_Depth = currentGW_Storage / float(Total_Area)
else:
    GW_Storage_Depth = abs(currentGW_Storage / float(Total_Area))

# Calculate the currentBaseflow
Lag_Factor = 0.323
currentBaseflow = currentGW_Storage * Lag_Factor * GW_Storage_Depth
```

Next, the Python function CalculateDecemberMonthsMeans is called to create table tblDecemberMonthBaseflowMean containing means for all months of December of the following fields:

- Groundwater Storage
- Groundwater Input
- Raw Baseflow

Next, the Python function JoinMeansToET_Tables is called to join the table tblDecemberMonthBaseflowMean to each of the tables tblETyyyymm_v3 producing tblETyyyymm_v4 as output.

Next, the Python function CalculateBaseflow_Pass_2 is called to perform the second pass of the baseflow processing. This time the baseflow will be calculated using the December months mean data as the previous months input (i.e. December 1994) for the first month of the study (January 1995). In the first pass of the baseflow processing zeroes were used since 1994 data were not available. This function creates a sorted list of all tblETyyyymm_v4 tables in the file geodatabase, ET_Model_Output.gdb.

It then iterates the list of tables and performs the following calculations and then saves the output to a new table, tblETyyyymm_v5:

```
# Calculate the currentGW_Storage
currentGW_Storage = currentGW_Input + previousGW_Storage - previousBaseflow

# Calculate GW Storage Depth
if currentGW_Storage >= 0:
    GW_Storage_Depth = currentGW_Storage / float(Total_Area)
else:
    GW_Storage_Depth = abs(currentGW_Storage / float(Total_Area))

# Calculate the currentBaseflow
Lag_Factor = 0.323
currentBaseflow = currentGW_Storage * Lag_Factor * GW_Storage_Depth
```

Next, the Python function JoinResults is called to perform the last processing step which creates the final outputs for all 192 months of the study. This function creates a sorted list of all tblLyyyymm tables in the file geodatabase, IRL_Model_Output.gdb. It then iterates the list of tables and joins to tblETyyyymm_v5. The output is saved as tbl_Finalyyyymm.

2.1.4 Consolidate Results Model

This tool consolidates the 192 months of data tables (tbl_Finalyyyymm) for analysis. The 192 tbl_Finalyyyymm tables are consolidated into a single Excel file (ConsolidatedResults.xls) and then the geoprocessing tool Summary Statistics is used to sum the data by year and segment and stored in a second Excel file (ConsolidatedResults_Statistics.xls).

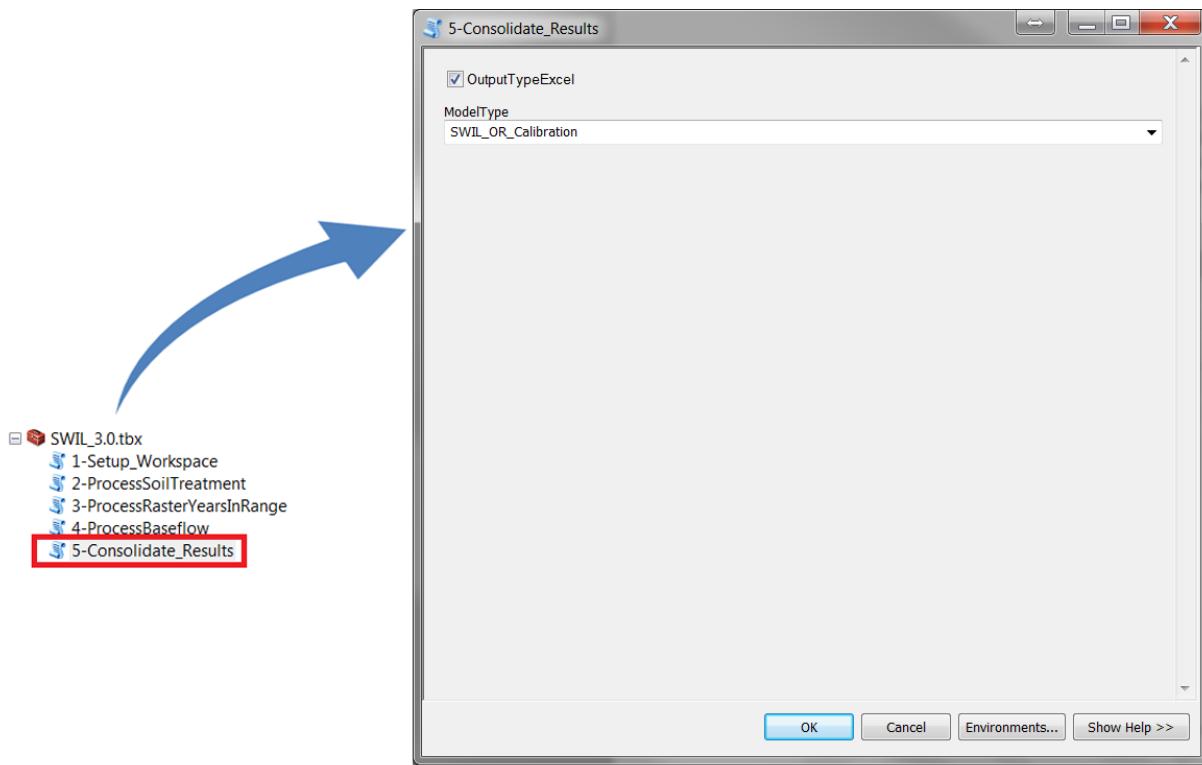


Figure 15. Consolidated Results Tool

3 Modifications or Development of Source Geospatial Layers

The source spatial and tabular layers for the SWIL (specified in Table 1) were created and modified as recommended in the Task 1 Technical Memorandum Report (Data Acquisition and Recommendations, Applied Ecology 2012). This section will provide details on the key methodology of the refinement and development of the geospatial layers in the SWIL model.

Table 1. Source Layers by Model.

Source Layer	Type	Model	Description	Developed By
Treatment_2000	Geospatial	Static	Drainage Areas treated by BMPs (1986-2000)	AEI (supported by SSI for type)
Treatment_2004	Geospatial	Static	Drainage Areas treated by BMPs (1986-2004)	AEI (supported by SSI for type)
IRL_Segment_Phase1_v8	Geospatial	Static	North IRL, Central IRL and Banana River TMDL Drainage Area Segments	AEI (supported by SSI and stakeholders)
Impoundments	Geospatial	Static	Impoundment Areas	Brevard County
Soils_IRL_v8	Geospatial	Static	Soil Type	ERD and AEI
LULC_2000_v17	Geospatial	Static	Land Use Land Cover (year 2000)	AEI
LULC_2004_v15	Geospatial	Static	Land Use Land Cover (year 2004)	AEI
tblEMC_v3	Tabular	Static	Event Mean Concentration Values for all Simplified Land Uses	ERD
tblLU_Consolidate_v3	Tabular	Static	Simplification of FLUCCS land cover to 27 categories	ERD & AEI
tbl_C_Jan to tbl_C_Dec	Tabular	Dynamic	Monthly Runoff Coefficient Values	ERD
tblImp1995 to tblImp2010	Tabular	Dynamic	Impoundment Management Schedule (by year)	Brevard County & AEI
Rainfall (monthly)	Raster	Dynamic	Interpolated Monthly Rainfall for the TMDL area	ERD
ET (monthly)	Raster	Baseflow	Evapotranspiration values based on MODIS product	ERD & AEI

3.1 TMDL Jurisdictional boundaries

The TMDL jurisdictional boundaries were expanded from the original SJRWMD PLSM extent of 627,017 acres to 649,524 acres. The increase in area by 3.6% for the SWIL model was necessary to include the stakeholder MS4 drainage extents within the modeling extent. Several cities had expanded since the 1999 PLSM model delineated the drainage extent, especially in the Central Indian River Lagoon extent. For more details on the original boundaries, MS4 stakeholder boundaries and where the expansion took place, please review the Task 1 Technical Memorandum Report.

3.2 Land Use Land Cover

The SWIL model used two years of land use land cover datasets, the year 2000 (applicable to all modeled months between January 1995 and December 2002) and the year 2004 (applicable to months between January 2003 and December 2010). The land use layers were developed by incorporating datasets from multiple sources, assigning specific priorities to each of these, and finally incorporating stakeholder comments. The general workflow, for each of the years, was the following:

- Property Appraiser (PA) records, spatial files and associated lookup tables or databases were obtained from Brevard, Indian River, and Volusia Counties, and land use codes were converted to FLUCCS land use/land cover codes
- In areas classified by the PA as urban (residential, commercial, industrial, and institutional), the land use/land cover data used this dataset as top priority
- In natural areas within Brevard County, the Brevard County the Natural Communities Inventory (see the Task 1 Technical Memorandum Report for more details), where available, superseded any other available information for the land use layer development
- Finally, for areas outside of Brevard County that have no natural area inventories, the SJRWMD land use layer was used in non-urban areas; for the 2000 layer, the SJRWMD 1999 land use/land cover layer was used, and for 2004 the corresponding SJRWMD layer was used.

This methodology allowed the best datasets to be used, when available (such as the field validated Brevard County Natural Areas Inventory), and still produce a dataset that covers a large areal extent without gaps, a requirement to run the SWIL model. No aerial photointerpretation or ground validation was performed on the land use layers used in the SWIL model due to both budget and time constraints during the development phase.

3.3 Soils

For every soil type classification there is an associated infiltration characteristic called the hydro group which is a key component in determining appropriate runoff coefficients “C”. Runoff coefficients are critical variables for the development of an accurate watershed loading model.

Accordingly, significant effort was taken to obtain and analyze all available soil layers for the three Counties. The most complete coverage was obtained from the NRCS (formerly the U.S. Soil Conservation Service) which had been extensively updated in 2010. Environmental Research and Design, Inc. (ERD) modified the NRCS 2010 soil layer to provide hydrogroups for all soils classified as "U" or urban. Original soil hydrotype, prior to having been urbanized is necessary to attribute the correct runoff coefficient. ERD used spatial interpolation, as well as other methods, to fill in missing gaps in the hydrogroup identification of the soil type.

In 2014, NRCS released a new version of the soil layer, which has not been incorporated in SWIL 3.0. Changes in soil hydrogroup classification, particularly on the barrier island portion of the model domain, might require the model to be recalibrated, which was not feasible under the time and budget constraints.

3.4 Treatments

Developed land with stormwater treatment systems has cleaner water leaving the site than developed land with no treatment system. Private subdivisions and commercial properties constructed after 1986 were required by the SJRWMD to treat their stormwater runoff as a condition of their ERP permit. In addition, Brevard County adopted stormwater treatment requirements and began permit review in 1978. For the SWIL model, a treatment layer with higher spatial accuracy and additional information (treatment type) was developed based on Property Appraiser datasets. For residential property, a subdivision layer was built, and the year of the first house built within it assigned to the subdivision. We assumed that a permit must be in place by no later than the first house built within the subdivision, and private residential subdivisions built after 1986 (1986-2000 for the 2000 treatment layer and 1986-2004 for the 2004 treatment layer) were considered treated. For non-residential individual parcels (commercial or industrial land uses) constructed after 1986, the year of construction was used to capture additional private development treatment data.

In addition to the methods described above, field validated treatment areas were delineated by Whitney Green (from the SJWRMD), provided to AEI and incorporated in the treatment layers. All treatments delineated in AEI's layers were assigned a type, either wet detention or dry retention ponds. Stormwater Solutions, Inc. was involved in assigning and field validating selected treatments for treatment type. The BMP efficiencies for these two are very distinct (see Treatment Efficiencies, Table 2).

3.5 Impoundments

After the initial SWIL model had been developed and preliminary runs completed, it became clear that impoundments had to be taken into account in a more spatially and temporally accurate watershed loading model. Impoundment information was difficult to compile, but the Brevard County Natural Resources Management Office was able to delineate the spatial extent of all 206 impoundments within the study area, which cover a total of 40,977 acres. These impoundments are not only managed differently (permanently closed, permanently opened, or rotating between

closed and opened), but some management regimes were updated or changed during the model timeframe. For more information on this please read the section 5 on "Incorporating Impoundments in the Model".

3.6 Rainfall

A raster dataset (one raster per month) was obtained from ERD. Each raster covers the entire model extent and was constructed by interpolating best available rainfall gage data distributed across the IRL area. For more details, please review ERD's report (Harper and Baker 2015).

3.7 Evapotranspiration

A raster dataset (one raster per month) was obtained from ERD. Each raster covers the entire model extent and was derived from the MODIS (MOD 16) satellite data, more specifically the evapotranspiration product developed by NASA. The resolution of this evapotranspiration product is 1 km and the temporal resolution is one day (daily data). ERD used the NASA source data to create mean daily raster values for every month of the period of interest. In 2014, after SWIL 1.0 and 2.0 had been completed, AEI became aware of the changes in algorithm used by the University of Montana to process MODIS data and produce ET datasets. The newly improved SWIL 3.0 also incorporated the newly released ET raster datasets, which were updated using the newly improved Mu et al's ET algorithm (2011). For more details, please review ERD's report (Harper and Baker 2015).

4 Tabular Reference Numbers: EMCs, C values, and Treatment Reductions

4.1 Land Use Consolidation and EMCs

Land Use/Land Cover are critical to determine runoff volume (the appropriate runoff coefficient or C value) and the loadings (depending on both the volume and the appropriate event mean concentration). The land use layers developed were based on the FLUCCS classification, which corresponded to 193 categories used within the SWIL model area. Since not enough information is available to generate individual C values and EMCs for all these land use types, the original categories had to be consolidated into more manageable ones. ERD provided the consolidated categories (a total of 28 land use types) for which EMC values were compiled and collected, and a look-up table was generated to perform the conversion (Appendix A).

The event mean concentrations of TN and TP for all 28 consolidated/simplified land use types were provided by ERD (Appendix B).

4.2 Monthly C values

Runoff coefficients are a function of land use and soil hydrogroup. Using the simplified land use categories described above, ERD provided lookup tables for C values for every calendar month (January through December) of the year (Appendices C.1 through C.12). C values are higher during wet season months (June-September) and lower during typical dry season months (October-May).

4.3 Treatment Reductions

Areas designated as treatment (residential or commercial) received a reduction in volumes, TN loading and TP loading based on the type of treatment present. ERD provided the recommended BMP Efficiencies for use in the Indian River Lagoon TMDL Evaluation (Table 2, Harper and Baker, 2015). The reduction in volume was 75% for dry retention and 20% for wet detention. The loadings were reduced by 75% in TN and 75% in TP for dry retention, and 36% in TN and 62% in TP for wet detention. Reduction in volumes and nutrient loadings (TN and TP) were performed independently in SWIL 3.0, in order to achieve the total reductions specified in Table 2.

Table 2. Recommended BMP Efficiencies for Use in the Indian River Lagoon TMDL Evaluation (Harper and Baker 2015).

Time Period	BMP Type	Assumed Annual Mass/Volume Removal (% of total)			Assumptions	Reference
		Runoff Volume	Total N Mass	Total P Mass		
Prior to Implementation of Impaired Water Design Criteria	Dry Retention (Dry Ponds)	75	75	75	Assumes that dry ponds are primarily dry detention designed to SJRWMD rules. Efficiencies reflect water volume which is infiltrated into the ground.	Harper and Baker (2007) ¹
	Wet Detention (Wet Ponds)	20	36	62	Based on relationships between removal eff. and detention time. Assume that ponds are designed with a 14 day wet season detention time, equivalent to 22 day annual detention time	Harper and Baker (2007) ¹

¹ "Performance Efficiency Evaluation of Stormwater Management Systems in Florida", Harper and Baker, 2007

Note: Total Runoff Volume reductions should be independently calculated from mass load (TN and TP) reductions.

5 Incorporating Impoundments in the Model

The extent of impounded area, especially in the Northern IRL, made it critical to understand the exact location and the management regime of these areas. A total of 206 impoundments were captured in the SWIL model (corresponding to almost 41,000 acres), which were classified as one of three types: "NO CHANGE" (open impoundment), "NO DISCHARGE" (closed impoundment year-round), and "ROTATIONAL" (closed 5 months of the year).

The management regime of the same impoundment changed throughout the years, and the model incorporated this regime change on a year by year basis. The SWIL model component of the direct runoff was the only one altered by the impoundment regime; the baseflow model component ignored the presence of impoundments since baseflow would not be reduced by the existence of surface water detention. In areas of impoundments, the impoundment type guided how the direct runoff would be modified:

- in cases of "NO CHANGE", the impoundment used to historically exist, but is left open year-round, and no modification of the direct runoff calculation takes place
- for "NO DISCHARGE" types of impoundments, the direct runoff for those areas within that year is zeroed out
- in the case of "ROTATIONAL", a little more complex operation had to take place: during the months of May through September, the direct runoff was zeroed out; in October, the monthly direct runoff for the month of October is added to the accumulated volume and loads (from the May through September months) and discharged; in the remaining months, November through April, the normal monthly runoff is calculated (as a "NO CHANGE" type impoundment).

Specific impoundment list (some have associated names) and the management regime of each of these impoundments for every year between 1995 and 2010 are included in Appendices D and E.1-E.16.

6 References

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Appendix A: Land Use Consolidation Table

Land_Use_Description	Consolidation_Description	ConsolidationID	LCCode
Feeding Operations	Agriculture	1	2300
Cattle Feeding Operations	Agriculture	1	2310
Poultry feeding operations	Agriculture	1	2320
Other feeding operations	Agriculture	1	2340
Nurseries and Vineyards	Agriculture	1	2400
Tree nurseries	Agriculture	1	2410
Sod farms	Agriculture	1	2420
Ornamentals	Agriculture	1	2430
Shade ferns	Agriculture	1	2431
Hammock ferns	Agriculture	1	2432
Floriculture	Agriculture	1	2450
Specialty Farms	Agriculture	1	2500
Horse Farms	Agriculture	1	2510
Dairies	Agriculture	1	2520
Other Specialty Farms	Agriculture	1	2590
Tree Crops	Citrus	2	2200
Citrus groves	Citrus	2	2210
Fruit Orchards	Citrus	2	2220
Commercial and Services	Commercial	3	1400
Retail Sales and Services	Commercial	3	1410
Wholesale Sales and Services <Excluding warehouses associated with industrial use>	Commercial	3	1420
Professional Services	Commercial	3	1430
Cultural and Entertainment	Commercial	3	1440
Tourist Services	Commercial	3	1450
Mixed Commercial and Services	Commercial	3	1470
Commercial and Services Under Construction	Commercial	3	1490
Bus and truck terminals	Commercial	3	8130

Land_Use_Description	Consolidation_Description	ConsolidationID	LCCode
Port facilities	Commercial	3	8150
Canals and Locks	Commercial	3	8160
Auto parking facilities - when not directly related to other land uses	Commercial	3	8180
Herbaceous Dry Prairie	Dry Prairie	4	3100
Palmetto Prairies	Dry Prairie	4	3210
Palmetto-Oak Shrubland	Dry Prairie	4	3211
Dry Prairie	Dry Prairie	4	3212
Coastal Strand	Dry Prairie	4	3220
Mixed Rangeland	Dry Prairie	4	3300
Residential, High Density	High Density Residential	5	1300
Fixed Single Family Units	High Density Residential	5	1310
Residential, High density; Multiple Dwelling Units, Low Rise <Two stories or less>	High Density Residential	5	1330
Residential, High density; Multiple Dwelling Units, High Rise <Three stories or more>	High Density Residential	5	1340
Residential, High density; Mixed Units <Fixed and mobile Homes>	High Density Residential	5	1350
High Density Under Construction	High Density Residential	5	1390
Cabbage palm hammock	Hydric Hammock	6	6181
Cabbage palm savannah	Hydric Hammock	6	6182
Oil and Gas Storage(except industrial use or manufacturing)	Industrial	7	1460
Industrial Under Construction	Industrial	7	1500
Food Processing	Industrial	7	1510
Timber Processing	Industrial	7	1520
Mineral Processing	Industrial	7	1530
Oil and Gas Processing	Industrial	7	1540
Other Light Industrial	Industrial	7	1550
Other Heavy Industrial	Industrial	7	1560
Ship Building and Repair	Industrial	7	1561
Prestressed concrete plants	Industrial	7	1562
Industrial Under Construction	Industrial	7	1590
Aquaculture	Industrial	7	2540

Land_Use_Description	Consolidation_Description	ConsolidationID	LCCode
Communications	Industrial	7	8200
Communication Facilities	Industrial	7	8220
Utilities	Industrial	7	8300
Electrical power facilities	Industrial	7	8310
Water supply plants	Industrial	7	8330
Sewage Treatment	Industrial	7	8340
Solid waste disposal	Industrial	7	8350
Other treatment ponds	Industrial	7	8360
Utilities under construction	Industrial	7	8390
Institutional (Educational, religious, health and military facilities)	Institutional	8	1700
Educational Facilities	Institutional	8	1710
Religious	Institutional	8	1720
Military	Institutional	8	1730
Medical and Health Care	Institutional	8	1740
Governmental	Institutional	8	1750
Other Institutional	Institutional	8	1770
Commercial Child Care	Institutional	8	1780
Institutional Under Construction	Institutional	8	1790
Airports	Institutional	8	8110
Residential, Low Density-Less than two dwelling units/acre	Low Density Residential	9	1100
Fixed Single Family Units	Low Density Residential	9	1110
Residential, Rural < or = 0.5 dwelling units/acre	Low Density Residential	9	1180
Low Density Under Construction	Low Density Residential	9	1190
Residential, Medium Density-Two-five dwelling units per acre	Medium Density Residential	10	1200
Fixed Single Family Units	Medium Density Residential	10	1210
Medium Density Under Construction	Medium Density Residential	10	1290
Hydric pine flatwoods	Mesic Flatwoods	11	6250

Land_Use_Description	Consolidation_Description	ConsolidationID	LCCode
Extractive	Mining	12	1600
Strip Mines	Mining	12	1610
Clays	Mining	12	1611
Sand and Gravel Pits	Mining	12	1620
Limerock or dolomite quarries	Mining	12	1632
Phosphate quarries	Mining	12	1633
Reclaimed Land	Mining	12	1650
Holding Ponds	Mining	12	1660
Mobile Home Units	High Density Residential	5	1320
Swimming Beach	Open	13	1810
Open Land	Open	13	1900
Inactive Land with street patterns but without structures	Open	13	1920
Other Open Lands – Rural	Open	13	2600
Fallow cropland	Open	13	2610
Beaches other than swimming beaches	Open	13	7100
Sand other than beaches	Open	13	7200
Exposed rocks	Open	13	7340
Disturbed land	Open	13	7400
Rural land in transition without positive indicators of intended activity	Open	13	7410
Spoil areas	Open	13	7430
Railroads	Open	13	8120
Electrical power transmission lines	Open	13	8320
(blank)	Open	13	9999
Improved Pasture	Pasture	14	2110
Unimproved Pastures	Pasture	14	2120
Woodland Pasture	Pasture	14	2130
Cemeteries	Recreational 1	15	1480
Recreational	Recreational 1	15	1800
Golf Course	Recreational 1	15	1820
Marinas and Fish Camps	Recreational 1	15	1840

Land_Use_Description	Consolidation_Description	ConsolidationID	LCCode
Grass Airports	Recreational 1	15	8115
Race Tracks(horse, dog, car, motorcycle)	Recreational 2	16	1830
Parks and Zoos	Recreational 2	16	1850
Community Recreational Facilities	Recreational 2	16	1860
Stadiums (not associated with high schools, colleges, or universities)	Recreational 2	16	1870
Other Recreational(Riding stables, go-cart tracks, skeet ranges, etc)	Recreational 2	16	1890
Row Crops	Row Crops	17	2140
Field Crops	Row Crops	17	2150
Mixed Crops	Row Crops	17	2160
Abandoned tree crops	Ruderal	18	2240
Brazilian Pepper	Ruderal	18	4220
Forest regeneration	Ruderal	18	4430
Shrub and Brushland	Scrub	19	3200
Sand pine	Scrub	19	4130
Transportation	Transportation	20	8100
Roads and Highways	Transportation	20	8140
Highways	Transportation	20	8191
Mesic longleaf pine flatwoods	Upland Flatwoods	21	4111
Scrubby Pine flatwoods	Upland Flatwoods	21	4112
Upland Hardwood Forest	Upland Flatwoods	21	4200
Hardwood Conifer Mixed	Upland Flatwoods	21	4340
Longleaf pine - xeric oak	Upland Mixed	22	4120
Upland Mixed Forest	Upland Mixed	22	4140
Maritime Hammock	Upland Mixed	22	4270
Coastal Temperate Hammock	Upland Mixed	22	4271
Prairie Hammock	Upland Mixed	22	4272
Red Cedar- Cabbage Palm Hammock	Upland Mixed	22	4275
Upland Hardwood Forests Continued	Upland Mixed	22	4300
Tree Plantations	Upland Mixed	22	4400
Spoil islands/coastal islands	Spoil Islands	28	5474

Land_Use_Description	Consolidation_Description	ConsolidationID	LCCode
Streams and waterways	Water	23	5100
Channelized waterways, canals	Water	23	5120
Lakes	Water	23	5200
Pond	Water	23	5201
Marshy Lakes	Water	23	5250
Reservoirs	Water	23	5300
Reservoirs larger >10 <100 acres	water	23	5330
Bays and estuaries	Water	23	5400
Embayments opening directly to the Gulf or Ocean	Water	23	5410
Enclosed saltwater ponds within a salt marsh	Water	23	5430
Major Springs	Water	23	5500
Slough Waters	water	23	5600
Atlantic Ocean	Water	23	5710
Borrow areas	Water	23	7420
Surface Water Collection Basin	Water	23	8370
Pine flatwoods	Wet Flatwoods	24	4110
Hydric pine flatwoods	Wet Flatwoods	24	4113
Tropical Hardwood Hammock	Wet Flatwoods	24	4260
Cabbage palm	Wet Flatwoods	24	4280
Mixed Shrubs	Wet Prairies	25	6172
Wet prairies	Wet Prairies	25	6430
Bay swamps	Wetland	26	6110
Mangrove swamp	Wetland	26	6120
Lowland Hardwood Forest/Swamp	Wetland	26	6150
Willow Swamp	Wetland	26	6151
Red Maple Swamp	Wetland	26	6152
Shrub Swamp	Wetland	26	6153
Mixed wetland hardwoods	Wetland	26	6170
Cypress	Wetland	26	6210
Pond pine	Wetland	26	6220

Land_Use_Description	Consolidation_Description	ConsolidationID	LCCode
Wetland Forested Mixed	Wetland	26	6300
Freshwater marshes	Wetland	26	6400
Freshwater marshes	Wetland	26	6410
Sawgrass marsh	Wetland	26	6411
Cattail marsh	Wetland	26	6412
Graminoid marsh	Wetland	26	6414
Flag marsh	Wetland	26	6416
Saltwater marshes	Wetland	26	6420
Low salt marsh	Wetland	26	6423
High salt marsh	Wetland	26	6424
Emergent aquatic vegetation	Wetland	26	6440
Mixed scrub-shrub wetland	Wetland	26	6460
Non-vegetated Wetland	Wetland	26	6500
Tidal creek	Wetland	26	6510
Xeric oak	Xeric Hammock	27	4210
Xeric Oak Scrub	Xeric Hammock	27	4321
Xeric Hammock	Xeric Hammock	27	4322
Australian pine	Xeric Hammock	27	4370
Coniferous pine	Xeric Hammock	27	4410
Wetland Coniferous Forest	Wetland	26	6200

Appendix B: EMC Table

Consolidated_Land_Use	Imperv	DCIA	NC_TN	NC_TP	ConsolidatedID
Wetland	0	0	1.5	0.1	26
Medium Density Residential	30	20	1.873232035	0.300651999	10
Scrub	0	0	1.16	0.096	19
Citrus	0	0	2.07	0.152	2
Pasture	0	0	3.3	0.621	14
Wet Flatwoods	0	0	1.18	0.015	24
Upland Flatwoods	0	0	1	0.034	21
Low Density Residential	15	0	1.51	0.178	9
Dry Prairie	0	0	1.95	0.107	4
Water	100	100	0	0	23
Institutional	20	10	1.51	0.178	8
High Density Residential	50	30	2.101705704	0.497304738	5
Open	0	0	1.15	0.055	13
Commercial	80	60	1.635	0.2135	3
Xeric Hammock	0	0	1.32	2.82	27
Wet Prairies	0	0	0.78	0.009	25
Hydric Hammock	0	0	1.07	0.026	6
Recreational 1 - Golf Courses	5	0	1.873232035	0.300651999	15
Transportation	50	30	1.37	0.167	20
Industrial	30	10	1.19	0.213	7
Recreational 2 - Parks, etc.	20	10	1.51	0.178	16
Agriculture	5	0	2.61	0.485	1
Ruderal	0	0	1.32	0.347	18
Mesic Flatwoods	0	0	1	0.034	11
Mining	0	0	1.18	0.15	12
Row Crops	0	0	2.46	0.489	17
Upland Mixed Forest	0	0	0.68	2.29	22
Spoil Islands	0	0	0.68	2.29	28

Appendix C.1: C Value Table - January

Land_Used_ID	HydroGP	LUC_HYDRO	C
1	A	1A	0.002003973
1	A/D	1A/D	0.103906509
1	B	1B	0.026087671
1	B/D	1B/D	0.103906509
1	C	1C	0.067509337
1	C/D	1C/D	0.103906509
1	D	1D	0.103906509
1	W	1W	0.103906509
2	A	2A	0.000187608
2	A/D	2A/D	0.089940864
2	B	2B	0.016832958
2	B/D	2B/D	0.089940864
2	C	2C	0.053898017
2	C/D	2C/D	0.089940864
2	D	2D	0.089940864
2	W	2W	0.089940864
3	A	3A	0.480437353
3	A/D	3A/D	0.480437353
3	B	3B	0.501136471
3	B/D	3B/D	0.501136471
3	C	3C	0.526213357
3	C/D	3C/D	0.526213357
3	D	3D	0.544151447
3	W	3W	0.544151447
4	A	4A	0.000364293
4	A/D	4A/D	0.078134797
4	B	4B	0.013723073
4	B/D	4B/D	0.078134797
4	C	4C	0.045610874
4	C/D	4C/D	0.078134797
4	D	4D	0.078134797
4	W	4W	0.078134797
5	A	5A	0.241440416
5	A/D	5A/D	0.241440416
5	B	5B	0.268475299
5	B/D	5B/D	0.268475299
5	C	5C	0.304455562
5	C/D	5C/D	0.304455562
5	D	5D	0.331929931
5	W	5W	0.331929931
6	A	6A	0.17102565
6	A/D	6A/D	0.17102565

Land_Use_ID	HydroGP	LUC_HYDRO	C
6	B	6B	0.17102565
6	B/D	6B/D	0.17102565
6	C	6C	0.17102565
6	C/D	6C/D	0.17102565
6	D	6D	0.17102565
6	W	6W	0.17102565
7	A	7A	0.085487749
7	A/D	7A/D	0.085487749
7	B	7B	0.116295438
7	B/D	7B/D	0.116295438
7	C	7C	0.160047607
7	C/D	7C/D	0.160047607
7	D	7D	0.195839876
7	W	7W	0.195839876
8	A	8A	0.080603504
8	A/D	8A/D	0.080603504
8	B	8B	0.105278592
8	B/D	8B/D	0.105278592
8	C	8C	0.145880327
8	C/D	8C/D	0.145880327
8	D	8D	0.179714651
8	W	8W	0.179714651
9	A	9A	0.005268006
9	A/D	9A/D	0.005268006
9	B	9B	0.035338409
9	B/D	9B/D	0.035338409
9	C	9C	0.081676617
9	C/D	9C/D	0.081676617
9	D	9D	0.120031734
9	W	9W	0.120031734
10	A	10A	0.163319925
10	A/D	10A/D	0.163319925
10	B	10B	0.191977253
10	B/D	10B/D	0.191977253
10	C	10C	0.231334957
10	C/D	10C/D	0.231334957
10	D	10D	0.263585406
10	W	10W	0.263585406
11	A	11A	0.000533863
11	A/D	11A/D	0.089940864
11	B	11B	0.019942843
11	B/D	11B/D	0.089940864

Land_Use_ID	HydroGP	LUC_HYDRO	C
11	C	11C	0.058041588
11	C/D	11C/D	0.089940864
11	D	11D	0.089940864
11	W	11W	0.089940864
12	A	12A	0.001042573
12	A/D	12A/D	0.095843897
12	B	12B	0.022098923
12	B/D	12B/D	0.095843897
12	C	12C	0.062185159
12	C/D	12C/D	0.095843897
12	D	12D	0.095843897
12	W	12W	0.095843897
13	A	13A	0.001042573
13	A/D	13A/D	0.095843897
13	B	13B	0.022098923
13	B/D	13B/D	0.095843897
13	C	13C	0.062185159
13	C/D	13C/D	0.095843897
13	D	13D	0.095843897
13	W	13W	0.095843897
14	A	14A	0.001042573
14	A/D	14A/D	0.095843897
14	B	14B	0.022098923
14	B/D	14B/D	0.095843897
14	C	14C	0.062185159
14	C/D	14C/D	0.095843897
14	D	14D	0.095843897
14	W	14W	0.095843897
15	A	15A	0.002003973
15	A/D	15A/D	0.103906509
15	B	15B	0.026087671
15	B/D	15B/D	0.103906509
15	C	15C	0.067509337
15	C/D	15C/D	0.103906509
15	D	15D	0.103906509
15	W	15W	0.103906509
16	A	16A	0.080603504
16	A/D	16A/D	0.179714651
16	B	16B	0.105278592
16	B/D	16B/D	0.179714651
16	C	16C	0.145880327
16	C/D	16C/D	0.179714651

Land_Use_ID	HydroGP	LUC_HYDRO	C
16	D	16D	0.179714651
16	W	16W	0.179714651
17	A	17A	0.036678296
17	A/D	17A/D	0.200429821
17	B	17B	0.08403783
17	B/D	17B/D	0.200429821
17	C	17C	0.140636187
17	C/D	17C/D	0.200429821
17	D	17D	0.200429821
17	W	17W	0.200429821
18	A	18A	0.003242476
18	A/D	18A/D	0.122719271
18	B	18B	0.03370077
18	B/D	18B/D	0.122719271
18	C	18C	0.078134797
18	C/D	18C/D	0.122719271
18	D	18D	0.122719271
18	W	18W	0.122719271
19	A	19A	0.000364293
19	A/D	19A/D	0.078134797
19	B	19B	0.013723073
19	B/D	19B/D	0.078134797
19	C	19C	0.045610874
19	C/D	19C/D	0.078134797
19	D	19D	0.078134797
19	W	19W	0.078134797
20	A	20A	0.241440416
20	A/D	20A/D	0.241440416
20	B	20B	0.268475299
20	B/D	20B/D	0.268475299
20	C	20C	0.304455562
20	C/D	20C/D	0.304455562
20	D	20D	0.331929931
20	W	20W	0.331929931
21	A	21A	0.000533863
21	A/D	21A/D	0.089940864
21	B	21B	0.019942843
21	B/D	21B/D	0.089940864
21	C	21C	0.058041588
21	C/D	21C/D	0.089940864
21	D	21D	0.089940864
21	W	21W	0.089940864

Land_Used_ID	HydroGP	LUC_HYDRO	C
22	A	22A	0.089940864
22	A/D	22A/D	0.089940864
22	B	22B	0.089940864
22	B/D	22B/D	0.089940864
22	C	22C	0.089940864
22	C/D	22C/D	0.089940864
22	D	22D	0.089940864
22	W	22W	0.089940864
23	A	23A	1
23	A/D	23A/D	1
23	B	23B	1
23	B/D	23B/D	1
23	C	23C	1
23	C/D	23C/D	1
23	D	23D	1
23	W	23W	1
24	A	24A	0.17102565
24	A/D	24A/D	0.17102565
24	B	24B	0.17102565
24	B/D	24B/D	0.17102565
24	C	24C	0.17102565
24	C/D	24C/D	0.17102565
24	D	24D	0.17102565
24	W	24W	0.17102565
25	A	25A	0.159800829
25	A/D	25A/D	0.159800829
25	B	25B	0.159800829
25	B/D	25B/D	0.159800829
25	C	25C	0.159800829
25	C/D	25C/D	0.159800829
25	D	25D	0.159800829
25	W	25W	0.159800829
26	A	26A	0.17102565
26	A/D	26A/D	0.17102565
26	B	26B	0.17102565
26	B/D	26B/D	0.17102565
26	C	26C	0.17102565
26	C/D	26C/D	0.17102565
26	D	26D	0.17102565
26	W	26W	0.17102565
27	A	27A	0.000533863
27	A/D	27A/D	0.000533863

Land_Use_ID	HydroGP	LUC_HYDRO	C
27	B	27B	0.000533863
27	B/D	27B/D	0.000533863
27	C	27C	0.000533863
27	C/D	27C/D	0.000533863
27	D	27D	0.000533863
27	W	27W	0.000533863
28	A	28A	0.089940864
28	A/D	28A/D	0.089940864
28	B	28B	0.089940864
28	B/D	28B/D	0.089940864
28	C	28C	0.089940864
28	C/D	28C/D	0.089940864
28	D	28D	0.089940864
28	W	28W	0.089940864

Appendix C.2: C Value Table - February

Land_Use_ID	HydroGP	LUC_HYDRO	C
1	A	1A	0.0045377
1	A/D	1A/D	0.096372602
1	B	1B	0.024452979
1	B/D	1B/D	0.096372602
1	C	1C	0.060351873
1	C/D	1C/D	0.096372602
1	D	1D	0.096372602
1	W	1W	0.096372602
2	A	2A	0.00116762
2	A/D	2A/D	0.082155307
2	B	2B	0.017142768
2	B/D	2B/D	0.082155307
2	C	2C	0.048078915
2	C/D	2C/D	0.082155307
2	D	2D	0.082155307
2	W	2W	0.082155307
3	A	3A	0.49692773
3	A/D	3A/D	0.49692773
3	B	3B	0.516173343
3	B/D	3B/D	0.516173343
3	C	3C	0.542773865
3	C/D	3C/D	0.542773865
3	D	3D	0.562602455
3	W	3W	0.562602455
4	A	4A	0.001813131
4	A/D	4A/D	0.070679816
4	B	4B	0.014741063
4	B/D	4B/D	0.070679816
4	C	4C	0.040661975
4	C/D	4C/D	0.070679816
4	D	4D	0.070679816
4	W	4W	0.070679816
5	A	5A	0.251280494
5	A/D	5A/D	0.251280494
5	B	5B	0.273624535
5	B/D	5B/D	0.273624535
5	C	5C	0.308260005
5	C/D	5C/D	0.308260005
5	D	5D	0.33723538
5	W	5W	0.33723538
6	A	6A	0.156221146
6	A/D	6A/D	0.156221146

Land_Use_ID	HydroGP	LUC_HYDRO	C
6	B	6B	0.156221146
6	B/D	6B/D	0.156221146
6	C	6C	0.156221146
6	C/D	6C/D	0.156221146
6	D	6D	0.156221146
6	W	6W	0.156221146
7	A	7A	0.090337554
7	A/D	7A/D	0.090337554
7	B	7B	0.115205537
7	B/D	7B/D	0.115205537
7	C	7C	0.156021712
7	C/D	7C/D	0.156021712
7	D	7D	0.193382557
7	W	7W	0.193382557
8	A	8A	0.086118231
8	A/D	8A/D	0.086118231
8	B	8B	0.105951033
8	B/D	8B/D	0.105951033
8	C	8C	0.142251122
8	C/D	8C/D	0.142251122
8	D	8D	0.176423458
8	W	8W	0.176423458
9	A	9A	0.007891539
9	A/D	9A/D	0.007891539
9	B	9B	0.032032775
9	B/D	9B/D	0.032032775
9	C	9C	0.074122463
9	C/D	9C/D	0.074122463
9	D	9D	0.113331701
9	W	9W	0.113331701
10	A	10A	0.170703682
10	A/D	10A/D	0.170703682
10	B	10B	0.193992497
10	B/D	10B/D	0.193992497
10	C	10C	0.231035666
10	C/D	10C/D	0.231035666
10	D	10D	0.264953863
10	W	10W	0.264953863
11	A	11A	0.002166515
11	A/D	11A/D	0.082155307
11	B	11B	0.019544472
11	B/D	11B/D	0.082155307

Land_Used_ID	HydroGP	LUC_HYDRO	C
11	C	11C	0.051787384
11	C/D	11C/D	0.082155307
11	D	11D	0.082155307
11	W	11W	0.082155307
12	A	12A	0.003226665
12	A/D	12A/D	0.087893053
12	B	12B	0.021266755
12	B/D	12B/D	0.087893053
12	C	12C	0.055495854
12	C/D	12C/D	0.087893053
12	D	12D	0.087893053
12	W	12W	0.087893053
13	A	13A	0.003226665
13	A/D	13A/D	0.087893053
13	B	13B	0.021266755
13	B/D	13B/D	0.087893053
13	C	13C	0.055495854
13	C/D	13C/D	0.087893053
13	D	13D	0.087893053
13	W	13W	0.087893053
14	A	14A	0.003226665
14	A/D	14A/D	0.087893053
14	B	14B	0.021266755
14	B/D	14B/D	0.087893053
14	C	14C	0.055495854
14	C/D	14C/D	0.087893053
14	D	14D	0.087893053
14	W	14W	0.087893053
15	A	15A	0.0045377
15	A/D	15A/D	0.096372602
15	B	15B	0.024452979
15	B/D	15B/D	0.096372602
15	C	15C	0.060351873
15	C/D	15C/D	0.096372602
15	D	15D	0.096372602
15	W	15W	0.096372602
16	A	16A	0.086118231
16	A/D	16A/D	0.176423458
16	B	16B	0.105951033
16	B/D	16B/D	0.176423458
16	C	16C	0.142251122
16	C/D	16C/D	0.176423458

Land_Used_ID	HydroGP	LUC_HYDRO	C
16	D	16D	0.176423458
16	W	16W	0.176423458
17	A	17A	0.033158323
17	A/D	17A/D	0.201096961
17	B	17B	0.076417561
17	B/D	17B/D	0.201096961
17	C	17C	0.135001661
17	C/D	17C/D	0.201096961
17	D	17D	0.201096961
17	W	17W	0.201096961
18	A	18A	0.006035567
18	A/D	18A/D	0.116158217
18	B	18B	0.030657105
18	B/D	18B/D	0.116158217
18	C	18C	0.070679816
18	C/D	18C/D	0.116158217
18	D	18D	0.116158217
18	W	18W	0.116158217
19	A	19A	0.001813131
19	A/D	19A/D	0.070679816
19	B	19B	0.014741063
19	B/D	19B/D	0.070679816
19	C	19C	0.040661975
19	C/D	19C/D	0.070679816
19	D	19D	0.070679816
19	W	19W	0.070679816
20	A	20A	0.251280494
20	A/D	20A/D	0.251280494
20	B	20B	0.273624535
20	B/D	20B/D	0.273624535
20	C	20C	0.308260005
20	C/D	20C/D	0.308260005
20	D	20D	0.33723538
20	W	20W	0.33723538
21	A	21A	0.002166515
21	A/D	21A/D	0.082155307
21	B	21B	0.019544472
21	B/D	21B/D	0.082155307
21	C	21C	0.051787384
21	C/D	21C/D	0.082155307
21	D	21D	0.082155307
21	W	21W	0.082155307

Land_Used_ID	HydroGP	LUC_HYDRO	C
22	A	22A	0.082155307
22	A/D	22A/D	0.082155307
22	B	22B	0.082155307
22	B/D	22B/D	0.082155307
22	C	22C	0.082155307
22	C/D	22C/D	0.082155307
22	D	22D	0.082155307
22	W	22W	0.082155307
23	A	23A	1
23	A/D	23A/D	1
23	B	23B	1
23	B/D	23B/D	1
23	C	23C	1
23	C/D	23C/D	1
23	D	23D	1
23	W	23W	1
24	A	24A	0.156221146
24	A/D	24A/D	0.156221146
24	B	24B	0.156221146
24	B/D	24B/D	0.156221146
24	C	24C	0.156221146
24	C/D	24C/D	0.156221146
24	D	24D	0.156221146
24	W	24W	0.156221146
25	A	25A	0.145310625
25	A/D	25A/D	0.145310625
25	B	25B	0.145310625
25	B/D	25B/D	0.145310625
25	C	25C	0.145310625
25	C/D	25C/D	0.145310625
25	D	25D	0.145310625
25	W	25W	0.145310625
26	A	26A	0.156221146
26	A/D	26A/D	0.156221146
26	B	26B	0.156221146
26	B/D	26B/D	0.156221146
26	C	26C	0.156221146
26	C/D	26C/D	0.156221146
26	D	26D	0.156221146
26	W	26W	0.156221146
27	A	27A	0.002166515
27	A/D	27A/D	0.002166515

Land_Use_ID	HydroGP	LUC_HYDRO	C
27	B	27B	0.002166515
27	B/D	27B/D	0.002166515
27	C	27C	0.002166515
27	C/D	27C/D	0.002166515
27	D	27D	0.002166515
27	W	27W	0.002166515
28	A	28A	0.082155307
28	A/D	28A/D	0.082155307
28	B	28B	0.082155307
28	B/D	28B/D	0.082155307
28	C	28C	0.082155307
28	C/D	28C/D	0.082155307
28	D	28D	0.082155307
28	W	28W	0.082155307

Appendix C.3: C Value Table - March

Land_Used_ID	HydroGP	LUC_HYDRO	C
1	A	1A	0.008817769
1	A/D	1A/D	0.094605391
1	B	1B	0.030300612
1	B/D	1B/D	0.094605391
1	C	1C	0.062438045
1	C/D	1C/D	0.094605391
1	D	1D	0.094605391
1	W	1W	0.094605391
2	A	2A	0.004224318
2	A/D	2A/D	0.081815197
2	B	2B	0.02298136
2	B/D	2B/D	0.081815197
2	C	2C	0.051642511
2	C/D	2C/D	0.081815197
2	D	2D	0.081815197
2	W	2W	0.081815197
3	A	3A	0.51026961
3	A/D	3A/D	0.51026961
3	B	3B	0.527312057
3	B/D	3B/D	0.527312057
3	C	3C	0.551700977
3	C/D	3C/D	0.551700977
3	D	3D	0.570535233
3	W	3W	0.570535233
4	A	4A	0.005328583
4	A/D	4A/D	0.071616696
4	B	4B	0.020437518
4	B/D	4B/D	0.071616696
4	C	4C	0.045125388
4	C/D	4C/D	0.071616696
4	D	4D	0.071616696
4	W	4W	0.071616696
5	A	5A	0.260962135
5	A/D	5A/D	0.260962135
5	B	5B	0.281955253
5	B/D	5B/D	0.281955253
5	C	5C	0.312750473
5	C/D	5C/D	0.312750473
5	D	5D	0.339101921
5	W	5W	0.339101921
6	A	6A	0.155574415
6	A/D	6A/D	0.155574415

Land_Use_ID	HydroGP	LUC_HYDRO	C
6	B	6B	0.155574415
6	B/D	6B/D	0.155574415
6	C	6C	0.155574415
6	C/D	6C/D	0.155574415
6	D	6D	0.155574415
6	W	6W	0.155574415
7	A	7A	0.097024617
7	A/D	7A/D	0.097024617
7	B	7B	0.121302752
7	B/D	7B/D	0.121302752
7	C	7C	0.157424474
7	C/D	7C/D	0.157424474
7	D	7D	0.191247796
7	W	7W	0.191247796
8	A	8A	0.09221458
8	A/D	8A/D	0.09221458
8	B	8B	0.11299827
8	B/D	8B/D	0.11299827
8	C	8C	0.145186273
8	C/D	8C/D	0.145186273
8	D	8D	0.17586591
8	W	8W	0.17586591
9	A	9A	0.012776759
9	A/D	9A/D	0.012776759
9	B	9B	0.03738202
9	B/D	9B/D	0.03738202
9	C	9C	0.074676246
9	C/D	9C/D	0.074676246
9	D	9D	0.109987277
9	W	9W	0.109987277
10	A	10A	0.178898582
10	A/D	10A/D	0.178898582
10	B	10B	0.201274066
10	B/D	10B/D	0.201274066
10	C	10C	0.234053601
10	C/D	10C/D	0.234053601
10	D	10D	0.264817373
10	W	10W	0.264817373
11	A	11A	0.005792939
11	A/D	11A/D	0.081815197
11	B	11B	0.025525201
11	B/D	11B/D	0.081815197

Land_Used_ID	HydroGP	LUC_HYDRO	C
11	C	11C	0.054901072
11	C/D	11C/D	0.081815197
11	D	11D	0.081815197
11	W	11W	0.081815197
12	A	12A	0.007186007
12	A/D	12A/D	0.086914448
12	B	12B	0.027200784
12	B/D	12B/D	0.086914448
12	C	12C	0.058159634
12	C/D	12C/D	0.086914448
12	D	12D	0.086914448
12	W	12W	0.086914448
13	A	13A	0.007186007
13	A/D	13A/D	0.086914448
13	B	13B	0.027200784
13	B/D	13B/D	0.086914448
13	C	13C	0.058159634
13	C/D	13C/D	0.086914448
13	D	13D	0.086914448
13	W	13W	0.086914448
14	A	14A	0.007186007
14	A/D	14A/D	0.086914448
14	B	14B	0.027200784
14	B/D	14B/D	0.086914448
14	C	14C	0.058159634
14	C/D	14C/D	0.086914448
14	D	14D	0.086914448
14	W	14W	0.086914448
15	A	15A	0.008817769
15	A/D	15A/D	0.094605391
15	B	15B	0.030300612
15	B/D	15B/D	0.094605391
15	C	15C	0.062438045
15	C/D	15C/D	0.094605391
15	D	15D	0.094605391
15	W	15W	0.094605391
16	A	16A	0.09221458
16	A/D	16A/D	0.17586591
16	B	16B	0.11299827
16	B/D	16B/D	0.17586591
16	C	16C	0.145186273
16	C/D	16C/D	0.17586591

Land_Use_ID	HydroGP	LUC_HYDRO	C
16	D	16D	0.17586591
16	W	16W	0.17586591
17	A	17A	0.038392024
17	A/D	17A/D	0.192422763
17	B	17B	0.076715947
17	B/D	17B/D	0.192422763
17	C	17C	0.129641909
17	C/D	17C/D	0.192422763
17	D	17D	0.192422763
17	W	17W	0.192422763
18	A	18A	0.010643711
18	A/D	18A/D	0.112550924
18	B	18B	0.036147569
18	B/D	18B/D	0.112550924
18	C	18C	0.071616696
18	C/D	18C/D	0.112550924
18	D	18D	0.112550924
18	W	18W	0.112550924
19	A	19A	0.005328583
19	A/D	19A/D	0.071616696
19	B	19B	0.020437518
19	B/D	19B/D	0.071616696
19	C	19C	0.045125388
19	C/D	19C/D	0.071616696
19	D	19D	0.071616696
19	W	19W	0.071616696
20	A	20A	0.260962135
20	A/D	20A/D	0.260962135
20	B	20B	0.281955253
20	B/D	20B/D	0.281955253
20	C	20C	0.312750473
20	C/D	20C/D	0.312750473
20	D	20D	0.339101921
20	W	20W	0.339101921
21	A	21A	0.005792939
21	A/D	21A/D	0.081815197
21	B	21B	0.025525201
21	B/D	21B/D	0.081815197
21	C	21C	0.054901072
21	C/D	21C/D	0.081815197
21	D	21D	0.081815197
21	W	21W	0.081815197

Land_Used_ID	HydroGP	LUC_HYDRO	C
22	A	22A	0.081815197
22	A/D	22A/D	0.081815197
22	B	22B	0.081815197
22	B/D	22B/D	0.081815197
22	C	22C	0.081815197
22	C/D	22C/D	0.081815197
22	D	22D	0.081815197
22	W	22W	0.081815197
23	A	23A	1
23	A/D	23A/D	1
23	B	23B	1
23	B/D	23B/D	1
23	C	23C	1
23	C/D	23C/D	1
23	D	23D	1
23	W	23W	1
24	A	24A	0.155574415
24	A/D	24A/D	0.155574415
24	B	24B	0.155574415
24	B/D	24B/D	0.155574415
24	C	24C	0.155574415
24	C/D	24C/D	0.155574415
24	D	24D	0.155574415
24	W	24W	0.155574415
25	A	25A	0.145878015
25	A/D	25A/D	0.145878015
25	B	25B	0.145878015
25	B/D	25B/D	0.145878015
25	C	25C	0.145878015
25	C/D	25C/D	0.145878015
25	D	25D	0.145878015
25	W	25W	0.145878015
26	A	26A	0.155574415
26	A/D	26A/D	0.155574415
26	B	26B	0.155574415
26	B/D	26B/D	0.155574415
26	C	26C	0.155574415
26	C/D	26C/D	0.155574415
26	D	26D	0.155574415
26	W	26W	0.155574415
27	A	27A	0.005792939
27	A/D	27A/D	0.005792939

Land_Use_ID	HydroGP	LUC_HYDRO	C
27	B	27B	0.005792939
27	B/D	27B/D	0.005792939
27	C	27C	0.005792939
27	C/D	27C/D	0.005792939
27	D	27D	0.005792939
27	W	27W	0.005792939
28	A	28A	0.081815197
28	A/D	28A/D	0.081815197
28	B	28B	0.081815197
28	B/D	28B/D	0.081815197
28	C	28C	0.081815197
28	C/D	28C/D	0.081815197
28	D	28D	0.081815197
28	W	28W	0.081815197

Appendix C.4: C Value Table - April

Land_Use_ID	HydroGP	LUC_HYDRO	C
1	A	1A	0.001311696
1	A/D	1A/D	0.063427896
1	B	1B	0.010852937
1	B/D	1B/D	0.063427896
1	C	1C	0.035345285
1	C/D	1C/D	0.063427896
1	D	1D	0.063427896
1	W	1W	0.063427896
2	A	2A	0.00019003
2	A/D	2A/D	0.052077044
2	B	2B	0.006612388
2	B/D	2B/D	0.052077044
2	C	2C	0.026599907
2	C/D	2C/D	0.052077044
2	D	2D	0.052077044
2	W	2W	0.052077044
3	A	3A	0.488612103
3	A/D	3A/D	0.488612103
3	B	3B	0.502769889
3	B/D	3B/D	0.502769889
3	C	3C	0.524957432
3	C/D	3C/D	0.524957432
3	D	3D	0.542559823
3	W	3W	0.542559823
4	A	4A	0.000390449
4	A/D	4A/D	0.043270855
4	B	4B	0.005369994
4	B/D	4B/D	0.043270855
4	C	4C	0.021356734
4	C/D	4C/D	0.043270855
4	D	4D	0.043270855
4	W	4W	0.043270855
5	A	5A	0.244226103
5	A/D	5A/D	0.244226103
5	B	5B	0.258362685
5	B/D	5B/D	0.258362685
5	C	5C	0.284697161
5	C/D	5C/D	0.284697161
5	D	5D	0.308551245
5	W	5W	0.308551245
6	A	6A	0.099026292
6	A/D	6A/D	0.099026292

Land_Use_ID	HydroGP	LUC_HYDRO	C
6	B	6B	0.099026292
6	B/D	6B/D	0.099026292
6	C	6C	0.099026292
6	C/D	6C/D	0.099026292
6	D	6D	0.099026292
6	W	6W	0.099026292
7	A	7A	0.083562849
7	A/D	7A/D	0.083562849
7	B	7B	0.098243585
7	B/D	7B/D	0.098243585
7	C	7C	0.128366677
7	C/D	7C/D	0.128366677
7	D	7D	0.158799563
7	W	7W	0.158799563
8	A	8A	0.081949306
8	A/D	8A/D	0.081949306
8	B	8B	0.092144482
8	B/D	8B/D	0.092144482
8	C	8C	0.11779925
8	C/D	8C/D	0.11779925
8	D	8D	0.144904048
8	W	8W	0.144904048
9	A	9A	0.002523421
9	A/D	9A/D	0.002523421
9	B	9B	0.015669733
9	B/D	9B/D	0.015669733
9	C	9C	0.045912711
9	C/D	9C/D	0.045912711
9	D	9D	0.07732341
9	W	9W	0.07732341
10	A	10A	0.163810518
10	A/D	10A/D	0.163810518
10	B	10B	0.177962522
10	B/D	10B/D	0.177962522
10	C	10C	0.205536928
10	C/D	10C/D	0.205536928
10	D	10D	0.233327957
10	W	10W	0.233327957
11	A	11A	0.000507675
11	A/D	11A/D	0.052077044
11	B	11B	0.007854781
11	B/D	11B/D	0.052077044

Land_Used_ID	HydroGP	LUC_HYDRO	C
11	C	11C	0.029221493
11	C/D	11C/D	0.052077044
11	D	11D	0.052077044
11	W	11W	0.052077044
12	A	12A	0.000859351
12	A/D	12A/D	0.056480138
12	B	12B	0.008906766
12	B/D	12B/D	0.056480138
12	C	12C	0.031843079
12	C/D	12C/D	0.056480138
12	D	12D	0.056480138
12	W	12W	0.056480138
13	A	13A	0.000859351
13	A/D	13A/D	0.056480138
13	B	13B	0.008906766
13	B/D	13B/D	0.056480138
13	C	13C	0.031843079
13	C/D	13C/D	0.056480138
13	D	13D	0.056480138
13	W	13W	0.056480138
14	A	14A	0.000859351
14	A/D	14A/D	0.056480138
14	B	14B	0.008906766
14	B/D	14B/D	0.056480138
14	C	14C	0.031843079
14	C/D	14C/D	0.056480138
14	D	14D	0.056480138
14	W	14W	0.056480138
15	A	15A	0.001311696
15	A/D	15A/D	0.063427896
15	B	15B	0.010852937
15	B/D	15B/D	0.063427896
15	C	15C	0.035345285
15	C/D	15C/D	0.063427896
15	D	15D	0.063427896
15	W	15W	0.063427896
16	A	16A	0.081949306
16	A/D	16A/D	0.144904048
16	B	16B	0.092144482
16	B/D	16B/D	0.144904048
16	C	16C	0.11779925
16	C/D	16C/D	0.144904048

Land_Used_ID	HydroGP	LUC_HYDRO	C
16	D	16D	0.144904048
16	W	16W	0.144904048
17	A	17A	0.016411516
17	A/D	17A/D	0.153753426
17	B	17B	0.047673949
17	B/D	17B/D	0.153753426
17	C	17C	0.09507879
17	C/D	17C/D	0.153753426
17	D	17D	0.153753426
17	W	17W	0.153753426
18	A	18A	0.001835858
18	A/D	18A/D	0.079639329
18	B	18B	0.014763109
18	B/D	18B/D	0.079639329
18	C	18C	0.043270855
18	C/D	18C/D	0.079639329
18	D	18D	0.079639329
18	W	18W	0.079639329
19	A	19A	0.000390449
19	A/D	19A/D	0.043270855
19	B	19B	0.005369994
19	B/D	19B/D	0.043270855
19	C	19C	0.021356734
19	C/D	19C/D	0.043270855
19	D	19D	0.043270855
19	W	19W	0.043270855
20	A	20A	0.244226103
20	A/D	20A/D	0.244226103
20	B	20B	0.258362685
20	B/D	20B/D	0.258362685
20	C	20C	0.284697161
20	C/D	20C/D	0.284697161
20	D	20D	0.308551245
20	W	20W	0.308551245
21	A	21A	0.000507675
21	A/D	21A/D	0.052077044
21	B	21B	0.007854781
21	B/D	21B/D	0.052077044
21	C	21C	0.029221493
21	C/D	21C/D	0.052077044
21	D	21D	0.052077044
21	W	21W	0.052077044

Land_Used_ID	HydroGP	LUC_HYDRO	C
22	A	22A	0.052077044
22	A/D	22A/D	0.052077044
22	B	22B	0.052077044
22	B/D	22B/D	0.052077044
22	C	22C	0.052077044
22	C/D	22C/D	0.052077044
22	D	22D	0.052077044
22	W	22W	0.052077044
23	A	23A	1
23	A/D	23A/D	1
23	B	23B	1
23	B/D	23B/D	1
23	C	23C	1
23	C/D	23C/D	1
23	D	23D	1
23	W	23W	1
24	A	24A	0.099026292
24	A/D	24A/D	0.099026292
24	B	24B	0.099026292
24	B/D	24B/D	0.099026292
24	C	24C	0.099026292
24	C/D	24C/D	0.099026292
24	D	24D	0.099026292
24	W	24W	0.099026292
25	A	25A	0.090653657
25	A/D	25A/D	0.090653657
25	B	25B	0.090653657
25	B/D	25B/D	0.090653657
25	C	25C	0.090653657
25	C/D	25C/D	0.090653657
25	D	25D	0.090653657
25	W	25W	0.090653657
26	A	26A	0.099026292
26	A/D	26A/D	0.099026292
26	B	26B	0.099026292
26	B/D	26B/D	0.099026292
26	C	26C	0.099026292
26	C/D	26C/D	0.099026292
26	D	26D	0.099026292
26	W	26W	0.099026292
27	A	27A	0.000507675
27	A/D	27A/D	0.000507675

Land_Use_ID	HydroGP	LUC_HYDRO	C
27	B	27B	0.000507675
27	B/D	27B/D	0.000507675
27	C	27C	0.000507675
27	C/D	27C/D	0.000507675
27	D	27D	0.000507675
27	W	27W	0.000507675
28	A	28A	0.052077044
28	A/D	28A/D	0.052077044
28	B	28B	0.052077044
28	B/D	28B/D	0.052077044
28	C	28C	0.052077044
28	C/D	28C/D	0.052077044
28	D	28D	0.052077044
28	W	28W	0.052077044

Appendix C.5: C Value Table - May

Land_Use_ID	HydroGP	LUC_HYDRO	C
1	A	1A	0.000381991
1	A/D	1A/D	0.06502411
1	B	1B	0.010854107
1	B/D	1B/D	0.06502411
1	C	1C	0.036364734
1	C/D	1C/D	0.06502411
1	D	1D	0.06502411
1	W	1W	0.06502411
2	A	2A	1.37436E-05
2	A/D	2A/D	0.053510923
2	B	2B	0.006184317
2	B/D	2B/D	0.053510923
2	C	2C	0.027319939
2	C/D	2C/D	0.053510923
2	D	2D	0.053510923
2	W	2W	0.053510923
3	A	3A	0.476906301
3	A/D	3A/D	0.476906301
3	B	3B	0.491489942
3	B/D	3B/D	0.491489942
3	C	3C	0.513683217
3	C/D	3C/D	0.513683217
3	D	3D	0.530882204
3	W	3W	0.530882204
4	A	4A	3.43589E-05
4	A/D	4A/D	0.044486613
4	B	4B	0.004728963
4	B/D	4B/D	0.044486613
4	C	4C	0.021891696
4	C/D	4C/D	0.044486613
4	D	4D	0.044486613
4	W	4W	0.044486613
5	A	5A	0.237829077
5	A/D	5A/D	0.237829077
5	B	5B	0.252901292
5	B/D	5B/D	0.252901292
5	C	5C	0.27987508
5	C/D	5C/D	0.27987508
5	D	5D	0.303867208
5	W	5W	0.303867208
6	A	6A	0.101752864
6	A/D	6A/D	0.101752864

Land_Use_ID	HydroGP	LUC_HYDRO	C
6	B	6B	0.101752864
6	B/D	6B/D	0.101752864
6	C	6C	0.101752864
6	C/D	6C/D	0.101752864
6	D	6D	0.101752864
6	W	6W	0.101752864
7	A	7A	0.080650934
7	A/D	7A/D	0.080650934
7	B	7B	0.096693944
7	B/D	7B/D	0.096693944
7	C	7C	0.127710668
7	C/D	7C/D	0.127710668
7	D	7D	0.158422086
7	W	7W	0.158422086
8	A	8A	0.078916068
8	A/D	8A/D	0.078916068
8	B	8B	0.090320574
8	B/D	8B/D	0.090320574
8	C	8C	0.116881496
8	C/D	8C/D	0.116881496
8	D	8D	0.144420023
8	W	8W	0.144420023
9	A	9A	0.001312921
9	A/D	9A/D	0.001312921
9	B	9B	0.015948959
9	B/D	9B/D	0.015948959
9	C	9C	0.047193906
9	C/D	9C/D	0.047193906
9	D	9D	0.079026172
9	W	9W	0.079026172
10	A	10A	0.159154097
10	A/D	10A/D	0.159154097
10	B	10B	0.174450562
10	B/D	10B/D	0.174450562
10	C	10C	0.202812843
10	C/D	10C/D	0.202812843
10	D	10D	0.230816968
10	W	10W	0.230816968
11	A	11A	6.65137E-05
11	A/D	11A/D	0.053510923
11	B	11B	0.00763967
11	B/D	11B/D	0.053510923

Land_Used_ID	HydroGP	LUC_HYDRO	C
11	C	11C	0.03003406
11	C/D	11C/D	0.053510923
11	D	11D	0.053510923
11	W	11W	0.053510923
12	A	12A	0.000162978
12	A/D	12A/D	0.058023078
12	B	12B	0.008767543
12	B/D	12B/D	0.058023078
12	C	12C	0.032748181
12	C/D	12C/D	0.058023078
12	D	12D	0.058023078
12	W	12W	0.058023078
13	A	13A	0.000162978
13	A/D	13A/D	0.058023078
13	B	13B	0.008767543
13	B/D	13B/D	0.058023078
13	C	13C	0.032748181
13	C/D	13C/D	0.058023078
13	D	13D	0.058023078
13	W	13W	0.058023078
14	A	14A	0.000162978
14	A/D	14A/D	0.058023078
14	B	14B	0.008767543
14	B/D	14B/D	0.058023078
14	C	14C	0.032748181
14	C/D	14C/D	0.058023078
14	D	14D	0.058023078
14	W	14W	0.058023078
15	A	15A	0.000381991
15	A/D	15A/D	0.06502411
15	B	15B	0.010854107
15	B/D	15B/D	0.06502411
15	C	15C	0.036364734
15	C/D	15C/D	0.06502411
15	D	15D	0.06502411
15	W	15W	0.06502411
16	A	16A	0.078916068
16	A/D	16A/D	0.144420023
16	B	16B	0.090320574
16	B/D	16B/D	0.144420023
16	C	16C	0.116881496
16	C/D	16C/D	0.144420023

Land_Use_ID	HydroGP	LUC_HYDRO	C
16	D	16D	0.144420023
16	W	16W	0.144420023
17	A	17A	0.016724098
17	A/D	17A/D	0.154247655
17	B	17B	0.048998768
17	B/D	17B/D	0.154247655
17	C	17C	0.096917697
17	C/D	17C/D	0.154247655
17	D	17D	0.154247655
17	W	17W	0.154247655
18	A	18A	0.000674257
18	A/D	18A/D	0.081359849
18	B	18B	0.015001566
18	B/D	18B/D	0.081359849
18	C	18C	0.044486613
18	C/D	18C/D	0.081359849
18	D	18D	0.081359849
18	W	18W	0.081359849
19	A	19A	3.43589E-05
19	A/D	19A/D	0.044486613
19	B	19B	0.004728963
19	B/D	19B/D	0.044486613
19	C	19C	0.021891696
19	C/D	19C/D	0.044486613
19	D	19D	0.044486613
19	W	19W	0.044486613
20	A	20A	0.237829077
20	A/D	20A/D	0.237829077
20	B	20B	0.252901292
20	B/D	20B/D	0.252901292
20	C	20C	0.27987508
20	C/D	20C/D	0.27987508
20	D	20D	0.303867208
20	W	20W	0.303867208
21	A	21A	6.65137E-05
21	A/D	21A/D	0.053510923
21	B	21B	0.00763967
21	B/D	21B/D	0.053510923
21	C	21C	0.03003406
21	C/D	21C/D	0.053510923
21	D	21D	0.053510923
21	W	21W	0.053510923

Land_Used_ID	HydroGP	LUC_HYDRO	C
22	A	22A	0.053510923
22	A/D	22A/D	0.053510923
22	B	22B	0.053510923
22	B/D	22B/D	0.053510923
22	C	22C	0.053510923
22	C/D	22C/D	0.053510923
22	D	22D	0.053510923
22	W	22W	0.053510923
23	A	23A	1
23	A/D	23A/D	1
23	B	23B	1
23	B/D	23B/D	1
23	C	23C	1
23	C/D	23C/D	1
23	D	23D	1
23	W	23W	1
24	A	24A	0.101752864
24	A/D	24A/D	0.101752864
24	B	24B	0.101752864
24	B/D	24B/D	0.101752864
24	C	24C	0.101752864
24	C/D	24C/D	0.101752864
24	D	24D	0.101752864
24	W	24W	0.101752864
25	A	25A	0.093172845
25	A/D	25A/D	0.093172845
25	B	25B	0.093172845
25	B/D	25B/D	0.093172845
25	C	25C	0.093172845
25	C/D	25C/D	0.093172845
25	D	25D	0.093172845
25	W	25W	0.093172845
26	A	26A	0.101752864
26	A/D	26A/D	0.101752864
26	B	26B	0.101752864
26	B/D	26B/D	0.101752864
26	C	26C	0.101752864
26	C/D	26C/D	0.101752864
26	D	26D	0.101752864
26	W	26W	0.101752864
27	A	27A	6.65137E-05
27	A/D	27A/D	6.65137E-05

Land_Use_ID	HydroGP	LUC_HYDRO	C
27	B	27B	6.65137E-05
27	B/D	27B/D	6.65137E-05
27	C	27C	6.65137E-05
27	C/D	27C/D	6.65137E-05
27	D	27D	6.65137E-05
27	W	27W	6.65137E-05
28	A	28A	0.053510923
28	A/D	28A/D	0.053510923
28	B	28B	0.053510923
28	B/D	28B/D	0.053510923
28	C	28C	0.053510923
28	C/D	28C/D	0.053510923
28	D	28D	0.053510923
28	W	28W	0.053510923

Appendix C.6: C Value Table - June

Land_Use_ID	HydroGP	LUC_HYDRO	C
1	A	1A	0.007107222
1	A/D	1A/D	0.134559047
1	B	1B	0.040919775
1	B/D	1B/D	0.134559047
1	C	1C	0.091799711
1	C/D	1C/D	0.134559047
1	D	1D	0.134559047
1	W	1W	0.134559047
2	A	2A	0.002238178
2	A/D	2A/D	0.118284988
2	B	2B	0.028766939
2	B/D	2B/D	0.118284988
2	C	2C	0.075410543
2	C/D	2C/D	0.118284988
2	D	2D	0.118284988
2	W	2W	0.118284988
3	A	3A	0.510309119
3	A/D	3A/D	0.510309119
3	B	3B	0.535071577
3	B/D	3B/D	0.535071577
3	C	3C	0.563871002
3	C/D	3C/D	0.563871002
3	D	3D	0.584059062
3	W	3W	0.584059062
4	A	4A	0.003200378
4	A/D	4A/D	0.104345368
4	B	4B	0.024559626
4	B/D	4B/D	0.104345368
4	C	4C	0.065413739
4	C/D	4C/D	0.104345368
4	D	4D	0.104345368
4	W	4W	0.104345368
5	A	5A	0.260163183
5	A/D	5A/D	0.260163183
5	B	5B	0.29446967
5	B/D	5B/D	0.29446967
5	C	5C	0.337063001
5	C/D	5C/D	0.337063001
5	D	5D	0.368725699
5	W	5W	0.368725699
6	A	6A	0.224922978
6	A/D	6A/D	0.224922978

Land_Use_ID	HydroGP	LUC_HYDRO	C
6	B	6B	0.224922978
6	B/D	6B/D	0.224922978
6	C	6C	0.224922978
6	C/D	6C/D	0.224922978
6	D	6D	0.224922978
6	W	6W	0.224922978
7	A	7A	0.097278314
7	A/D	7A/D	0.097278314
7	B	7B	0.137342972
7	B/D	7B/D	0.137342972
7	C	7C	0.189608035
7	C/D	7C/D	0.189608035
7	D	7D	0.231006919
7	W	7W	0.231006919
8	A	8A	0.090024735
8	A/D	8A/D	0.090024735
8	B	8B	0.123652992
8	B/D	8B/D	0.123652992
8	C	8C	0.172880492
8	C/D	8C/D	0.172880492
8	D	8D	0.21239842
8	W	8W	0.21239842
9	A	9A	0.012447246
9	A/D	9A/D	0.012447246
9	B	9B	0.052648758
9	B/D	9B/D	0.052648758
9	C	9C	0.108527254
9	C/D	9C/D	0.108527254
9	D	9D	0.153167546
9	W	9W	0.153167546
10	A	10A	0.178550343
10	A/D	10A/D	0.178550343
10	B	10B	0.215451879
10	B/D	10B/D	0.215451879
10	C	10C	0.262325045
10	C/D	10C/D	0.262325045
10	D	10D	0.299542042
10	W	10W	0.299542042
11	A	11A	0.00369395
11	A/D	11A/D	0.118284988
11	B	11B	0.032974252
11	B/D	11B/D	0.118284988

Land_Used_ID	HydroGP	LUC_HYDRO	C
11	C	11C	0.080408945
11	C/D	11C/D	0.118284988
11	D	11D	0.118284988
11	W	11W	0.118284988
12	A	12A	0.005174665
12	A/D	12A/D	0.125254797
12	B	12B	0.035762155
12	B/D	12B/D	0.125254797
12	C	12C	0.085407347
12	C/D	12C/D	0.125254797
12	D	12D	0.125254797
12	W	12W	0.125254797
13	A	13A	0.005174665
13	A/D	13A/D	0.125254797
13	B	13B	0.035762155
13	B/D	13B/D	0.125254797
13	C	13C	0.085407347
13	C/D	13C/D	0.125254797
13	D	13D	0.125254797
13	W	13W	0.125254797
14	A	14A	0.005174665
14	A/D	14A/D	0.125254797
14	B	14B	0.035762155
14	B/D	14B/D	0.125254797
14	C	14C	0.085407347
14	C/D	14C/D	0.125254797
14	D	14D	0.125254797
14	W	14W	0.125254797
15	A	15A	0.007107222
15	A/D	15A/D	0.134559047
15	B	15B	0.040919775
15	B/D	15B/D	0.134559047
15	C	15C	0.091799711
15	C/D	15C/D	0.134559047
15	D	15D	0.134559047
15	W	15W	0.134559047
16	A	16A	0.090024735
16	A/D	16A/D	0.21239842
16	B	16B	0.123652992
16	B/D	16B/D	0.21239842
16	C	16C	0.172880492
16	C/D	16C/D	0.21239842

Land_Use_ID	HydroGP	LUC_HYDRO	C
16	D	16D	0.21239842
16	W	16W	0.21239842
17	A	17A	0.054313755
17	A/D	17A/D	0.244238605
17	B	17B	0.111315178
17	B/D	17B/D	0.244238605
17	C	17C	0.176945072
17	C/D	17C/D	0.244238605
17	D	17D	0.244238605
17	W	17W	0.244238605
18	A	18A	0.009357943
18	A/D	18A/D	0.156268962
18	B	18B	0.050613761
18	B/D	18B/D	0.156268962
18	C	18C	0.104345368
18	C/D	18C/D	0.156268962
18	D	18D	0.156268962
18	W	18W	0.156268962
19	A	19A	0.003200378
19	A/D	19A/D	0.104345368
19	B	19B	0.024559626
19	B/D	19B/D	0.104345368
19	C	19C	0.065413739
19	C/D	19C/D	0.104345368
19	D	19D	0.104345368
19	W	19W	0.104345368
20	A	20A	0.260163183
20	A/D	20A/D	0.260163183
20	B	20B	0.29446967
20	B/D	20B/D	0.29446967
20	C	20C	0.337063001
20	C/D	20C/D	0.337063001
20	D	20D	0.368725699
20	W	20W	0.368725699
21	A	21A	0.00369395
21	A/D	21A/D	0.118284988
21	B	21B	0.032974252
21	B/D	21B/D	0.118284988
21	C	21C	0.080408945
21	C/D	21C/D	0.118284988
21	D	21D	0.118284988
21	W	21W	0.118284988

Land_Used_ID	HydroGP	LUC_HYDRO	C
22	A	22A	0.118284988
22	A/D	22A/D	0.118284988
22	B	22B	0.118284988
22	B/D	22B/D	0.118284988
22	C	22C	0.118284988
22	C/D	22C/D	0.118284988
22	D	22D	0.118284988
22	W	22W	0.118284988
23	A	23A	1
23	A/D	23A/D	1
23	B	23B	1
23	B/D	23B/D	1
23	C	23C	1
23	C/D	23C/D	1
23	D	23D	1
23	W	23W	1
24	A	24A	0.224922978
24	A/D	24A/D	0.224922978
24	B	24B	0.224922978
24	B/D	24B/D	0.224922978
24	C	24C	0.224922978
24	C/D	24C/D	0.224922978
24	D	24D	0.224922978
24	W	24W	0.224922978
25	A	25A	0.211669645
25	A/D	25A/D	0.211669645
25	B	25B	0.211669645
25	B/D	25B/D	0.211669645
25	C	25C	0.211669645
25	C/D	25C/D	0.211669645
25	D	25D	0.211669645
25	W	25W	0.211669645
26	A	26A	0.224922978
26	A/D	26A/D	0.224922978
26	B	26B	0.224922978
26	B/D	26B/D	0.224922978
26	C	26C	0.224922978
26	C/D	26C/D	0.224922978
26	D	26D	0.224922978
26	W	26W	0.224922978
27	A	27A	0.00369395
27	A/D	27A/D	0.00369395

Land_Use_ID	HydroGP	LUC_HYDRO	C
27	B	27B	0.00369395
27	B/D	27B/D	0.00369395
27	C	27C	0.00369395
27	C/D	27C/D	0.00369395
27	D	27D	0.00369395
27	W	27W	0.00369395
28	A	28A	0.118284988
28	A/D	28A/D	0.118284988
28	B	28B	0.118284988
28	B/D	28B/D	0.118284988
28	C	28C	0.118284988
28	C/D	28C/D	0.118284988
28	D	28D	0.118284988
28	W	28W	0.118284988

Appendix C.7: C Value Table - July

Land_Used_ID	HydroGP	LUC_HYDRO	C
1	A	1A	0.003592712
1	A/D	1A/D	0.096731685
1	B	1B	0.025802884
1	B/D	1B/D	0.096731685
1	C	1C	0.062111879
1	C/D	1C/D	0.096731685
1	D	1D	0.096731685
1	W	1W	0.096731685
2	A	2A	0.00059147
2	A/D	2A/D	0.083191404
2	B	2B	0.017961169
2	B/D	2B/D	0.083191404
2	C	2C	0.049875293
2	C/D	2C/D	0.083191404
2	D	2D	0.083191404
2	W	2W	0.083191404
3	A	3A	0.494603907
3	A/D	3A/D	0.494603907
3	B	3B	0.513537152
3	B/D	3B/D	0.513537152
3	C	3C	0.538649371
3	C/D	3C/D	0.538649371
3	D	3D	0.557370767
3	W	3W	0.557370767
4	A	4A	0.001049126
4	A/D	4A/D	0.072096917
4	B	4B	0.015293672
4	B/D	4B/D	0.072096917
4	C	4C	0.042457201
4	C/D	4C/D	0.072096917
4	D	4D	0.072096917
4	W	4W	0.072096917
5	A	5A	0.250147766
5	A/D	5A/D	0.250147766
5	B	5B	0.273375562
5	B/D	5B/D	0.273375562
5	C	5C	0.307021316
5	C/D	5C/D	0.307021316
5	D	5D	0.334336774
5	W	5W	0.334336774
6	A	6A	0.15819132
6	A/D	6A/D	0.15819132

Land_Use_ID	HydroGP	LUC_HYDRO	C
6	B	6B	0.15819132
6	B/D	6B/D	0.15819132
6	C	6C	0.15819132
6	C/D	6C/D	0.15819132
6	D	6D	0.15819132
6	W	6W	0.15819132
7	A	7A	0.089789868
7	A/D	7A/D	0.089789868
7	B	7B	0.11628487
7	B/D	7B/D	0.11628487
7	C	7C	0.15639496
7	C/D	7C/D	0.15639496
7	D	7D	0.191695456
7	W	7W	0.191695456
8	A	8A	0.084868527
8	A/D	8A/D	0.084868527
8	B	8B	0.10684916
8	B/D	8B/D	0.10684916
8	C	8C	0.143081576
8	C/D	8C/D	0.143081576
8	D	8D	0.175709381
8	W	8W	0.175709381
9	A	9A	0.007286086
9	A/D	9A/D	0.007286086
9	B	9B	0.033659039
9	B/D	9B/D	0.033659039
9	C	9C	0.075425263
9	C/D	9C/D	0.075425263
9	D	9D	0.112717759
9	W	9W	0.112717759
10	A	10A	0.169872452
10	A/D	10A/D	0.169872452
10	B	10B	0.194424617
10	B/D	10B/D	0.194424617
10	C	10C	0.230707965
10	C/D	10C/D	0.230707965
10	D	10D	0.262680114
10	W	10W	0.262680114
11	A	11A	0.00135867
11	A/D	11A/D	0.083191404
11	B	11B	0.020628667
11	B/D	11B/D	0.083191404

Land_Use_ID	HydroGP	LUC_HYDRO	C
11	C	11C	0.053584338
11	C/D	11C/D	0.083191404
11	D	11D	0.083191404
11	W	11W	0.083191404
12	A	12A	0.002287303
12	A/D	12A/D	0.088738647
12	B	12B	0.022444182
12	B/D	12B/D	0.088738647
12	C	12C	0.057293384
12	C/D	12C/D	0.088738647
12	D	12D	0.088738647
12	W	12W	0.088738647
13	A	13A	0.002287303
13	A/D	13A/D	0.088738647
13	B	13B	0.022444182
13	B/D	13B/D	0.088738647
13	C	13C	0.057293384
13	C/D	13C/D	0.088738647
13	D	13D	0.088738647
13	W	13W	0.088738647
14	A	14A	0.002287303
14	A/D	14A/D	0.088738647
14	B	14B	0.022444182
14	B/D	14B/D	0.088738647
14	C	14C	0.057293384
14	C/D	14C/D	0.088738647
14	D	14D	0.088738647
14	W	14W	0.088738647
15	A	15A	0.003592712
15	A/D	15A/D	0.096731685
15	B	15B	0.025802884
15	B/D	15B/D	0.096731685
15	C	15C	0.062111879
15	C/D	15C/D	0.096731685
15	D	15D	0.096731685
15	W	15W	0.096731685
16	A	16A	0.084868527
16	A/D	16A/D	0.175709381
16	B	16B	0.10684916
16	B/D	16B/D	0.175709381
16	C	16C	0.143081576
16	C/D	16C/D	0.175709381

Land_Used_ID	HydroGP	LUC_HYDRO	C
16	D	16D	0.175709381
16	W	16W	0.175709381
17	A	17A	0.034806625
17	A/D	17A/D	0.195549062
17	B	17B	0.07764416
17	B/D	17B/D	0.195549062
17	C	17C	0.13314441
17	C/D	17C/D	0.195549062
17	D	17D	0.195549062
17	W	17W	0.195549062
18	A	18A	0.005150347
18	A/D	18A/D	0.115382105
18	B	18B	0.032256433
18	B/D	18B/D	0.115382105
18	C	18C	0.072096917
18	C/D	18C/D	0.115382105
18	D	18D	0.115382105
18	W	18W	0.115382105
19	A	19A	0.001049126
19	A/D	19A/D	0.072096917
19	B	19B	0.015293672
19	B/D	19B/D	0.072096917
19	C	19C	0.042457201
19	C/D	19C/D	0.072096917
19	D	19D	0.072096917
19	W	19W	0.072096917
20	A	20A	0.250147766
20	A/D	20A/D	0.250147766
20	B	20B	0.273375562
20	B/D	20B/D	0.273375562
20	C	20C	0.307021316
20	C/D	20C/D	0.307021316
20	D	20D	0.334336774
20	W	20W	0.334336774
21	A	21A	0.00135867
21	A/D	21A/D	0.083191404
21	B	21B	0.020628667
21	B/D	21B/D	0.083191404
21	C	21C	0.053584338
21	C/D	21C/D	0.083191404
21	D	21D	0.083191404
21	W	21W	0.083191404

Land_Used_ID	HydroGP	LUC_HYDRO	C
22	A	22A	0.083191404
22	A/D	22A/D	0.083191404
22	B	22B	0.083191404
22	B/D	22B/D	0.083191404
22	C	22C	0.083191404
22	C/D	22C/D	0.083191404
22	D	22D	0.083191404
22	W	22W	0.083191404
23	A	23A	1
23	A/D	23A/D	1
23	B	23B	1
23	B/D	23B/D	1
23	C	23C	1
23	C/D	23C/D	1
23	D	23D	1
23	W	23W	1
24	A	24A	0.15819132
24	A/D	24A/D	0.15819132
24	B	24B	0.15819132
24	B/D	24B/D	0.15819132
24	C	24C	0.15819132
24	C/D	24C/D	0.15819132
24	D	24D	0.15819132
24	W	24W	0.15819132
25	A	25A	0.147643045
25	A/D	25A/D	0.147643045
25	B	25B	0.147643045
25	B/D	25B/D	0.147643045
25	C	25C	0.147643045
25	C/D	25C/D	0.147643045
25	D	25D	0.147643045
25	W	25W	0.147643045
26	A	26A	0.15819132
26	A/D	26A/D	0.15819132
26	B	26B	0.15819132
26	B/D	26B/D	0.15819132
26	C	26C	0.15819132
26	C/D	26C/D	0.15819132
26	D	26D	0.15819132
26	W	26W	0.15819132
27	A	27A	0.00135867
27	A/D	27A/D	0.00135867

Land_Use_ID	HydroGP	LUC_HYDRO	C
27	B	27B	0.00135867
27	B/D	27B/D	0.00135867
27	C	27C	0.00135867
27	C/D	27C/D	0.00135867
27	D	27D	0.00135867
27	W	27W	0.00135867
28	A	28A	0.083191404
28	A/D	28A/D	0.083191404
28	B	28B	0.083191404
28	B/D	28B/D	0.083191404
28	C	28C	0.083191404
28	C/D	28C/D	0.083191404
28	D	28D	0.083191404
28	W	28W	0.083191404

Appendix C.8: C Value Table - August

Land_Use_ID	HydroGP	LUC_HYDRO	C
1	A	1A	0.004959988
1	A/D	1A/D	0.108346296
1	B	1B	0.031203485
1	B/D	1B/D	0.108346296
1	C	1C	0.071598961
1	C/D	1C/D	0.108346296
1	D	1D	0.108346296
1	W	1W	0.108346296
2	A	2A	0.001264134
2	A/D	2A/D	0.094091297
2	B	2B	0.021872343
2	B/D	2B/D	0.094091297
2	C	2C	0.058338455
2	C/D	2C/D	0.094091297
2	D	2D	0.094091297
2	W	2W	0.094091297
3	A	3A	0.498222049
3	A/D	3A/D	0.498222049
3	B	3B	0.518662512
3	B/D	3B/D	0.518662512
3	C	3C	0.544718356
3	C/D	3C/D	0.544718356
3	D	3D	0.563761381
3	W	3W	0.563761381
4	A	4A	0.001927156
4	A/D	4A/D	0.082253226
4	B	4B	0.01867196
4	B/D	4B/D	0.082253226
4	C	4C	0.050287322
4	C/D	4C/D	0.082253226
4	D	4D	0.082253226
4	W	4W	0.082253226
5	A	5A	0.252831446
5	A/D	5A/D	0.252831446
5	B	5B	0.279550341
5	B/D	5B/D	0.279550341
5	C	5C	0.315485635
5	C/D	5C/D	0.315485635
5	D	5D	0.343932879
5	W	5W	0.343932879
6	A	6A	0.178917843
6	A/D	6A/D	0.178917843

Land_Used_ID	HydroGP	LUC_HYDRO	C
6	B	6B	0.178917843
6	B/D	6B/D	0.178917843
6	C	6C	0.178917843
6	C/D	6C/D	0.178917843
6	D	6D	0.178917843
6	W	6W	0.178917843
7	A	7A	0.092259844
7	A/D	7A/D	0.092259844
7	B	7B	0.123208045
7	B/D	7B/D	0.123208045
7	C	7C	0.166431576
7	C/D	7C/D	0.166431576
7	D	7D	0.20332685
7	W	7W	0.20332685
8	A	8A	0.086527693
8	A/D	8A/D	0.086527693
8	B	8B	0.112508474
8	B/D	8B/D	0.112508474
8	C	8C	0.15222589
8	C/D	8C/D	0.15222589
8	D	8D	0.186654924
8	W	8W	0.186654924
9	A	9A	0.009279828
9	A/D	9A/D	0.009279828
9	B	9B	0.040310696
9	B/D	9B/D	0.040310696
9	C	9C	0.085804647
9	C/D	9C/D	0.085804647
9	D	9D	0.125018222
9	W	9W	0.125018222
10	A	10A	0.172420793
10	A/D	10A/D	0.172420793
10	B	10B	0.200982366
10	B/D	10B/D	0.200982366
10	C	10C	0.239955662
10	C/D	10C/D	0.239955662
10	D	10D	0.273299514
10	W	10W	0.273299514
11	A	11A	0.00229863
11	A/D	11A/D	0.094091297
11	B	11B	0.025072726
11	B/D	11B/D	0.094091297

Land_Use_ID	HydroGP	LUC_HYDRO	C
11	C	11C	0.062364021
11	C/D	11C/D	0.094091297
11	D	11D	0.094091297
11	W	11W	0.094091297
12	A	12A	0.00341305
12	A/D	12A/D	0.100010333
12	B	12B	0.027223869
12	B/D	12B/D	0.100010333
12	C	12C	0.066389588
12	C/D	12C/D	0.100010333
12	D	12D	0.100010333
12	W	12W	0.100010333
13	A	13A	0.00341305
13	A/D	13A/D	0.100010333
13	B	13B	0.027223869
13	B/D	13B/D	0.100010333
13	C	13C	0.066389588
13	C/D	13C/D	0.100010333
13	D	13D	0.100010333
13	W	13W	0.100010333
14	A	14A	0.00341305
14	A/D	14A/D	0.100010333
14	B	14B	0.027223869
14	B/D	14B/D	0.100010333
14	C	14C	0.066389588
14	C/D	14C/D	0.100010333
14	D	14D	0.100010333
14	W	14W	0.100010333
15	A	15A	0.004959988
15	A/D	15A/D	0.108346296
15	B	15B	0.031203485
15	B/D	15B/D	0.108346296
15	C	15C	0.071598961
15	C/D	15C/D	0.108346296
15	D	15D	0.108346296
15	W	15W	0.108346296
16	A	16A	0.086527693
16	A/D	16A/D	0.186654924
16	B	16B	0.112508474
16	B/D	16B/D	0.186654924
16	C	16C	0.15222589
16	C/D	16C/D	0.186654924

Land_Used_ID	HydroGP	LUC_HYDRO	C
16	D	16D	0.186654924
16	W	16W	0.186654924
17	A	17A	0.041611995
17	A/D	17A/D	0.209797989
17	B	17B	0.088172262
17	B/D	17B/D	0.209797989
17	C	17C	0.146321239
17	C/D	17C/D	0.209797989
17	D	17D	0.209797989
17	W	17W	0.209797989
18	A	18A	0.006798534
18	A/D	18A/D	0.127796877
18	B	18B	0.038720219
18	B/D	18B/D	0.127796877
18	C	18C	0.082253226
18	C/D	18C/D	0.127796877
18	D	18D	0.127796877
18	W	18W	0.127796877
19	A	19A	0.001927156
19	A/D	19A/D	0.082253226
19	B	19B	0.01867196
19	B/D	19B/D	0.082253226
19	C	19C	0.050287322
19	C/D	19C/D	0.082253226
19	D	19D	0.082253226
19	W	19W	0.082253226
20	A	20A	0.252831446
20	A/D	20A/D	0.252831446
20	B	20B	0.279550341
20	B/D	20B/D	0.279550341
20	C	20C	0.315485635
20	C/D	20C/D	0.315485635
20	D	20D	0.343932879
20	W	20W	0.343932879
21	A	21A	0.00229863
21	A/D	21A/D	0.094091297
21	B	21B	0.025072726
21	B/D	21B/D	0.094091297
21	C	21C	0.062364021
21	C/D	21C/D	0.094091297
21	D	21D	0.094091297
21	W	21W	0.094091297

Land_Used_ID	HydroGP	LUC_HYDRO	C
22	A	22A	0.094091297
22	A/D	22A/D	0.094091297
22	B	22B	0.094091297
22	B/D	22B/D	0.094091297
22	C	22C	0.094091297
22	C/D	22C/D	0.094091297
22	D	22D	0.094091297
22	W	22W	0.094091297
23	A	23A	1
23	A/D	23A/D	1
23	B	23B	1
23	B/D	23B/D	1
23	C	23C	1
23	C/D	23C/D	1
23	D	23D	1
23	W	23W	1
24	A	24A	0.178917843
24	A/D	24A/D	0.178917843
24	B	24B	0.178917843
24	B/D	24B/D	0.178917843
24	C	24C	0.178917843
24	C/D	24C/D	0.178917843
24	D	24D	0.178917843
24	W	24W	0.178917843
25	A	25A	0.167662592
25	A/D	25A/D	0.167662592
25	B	25B	0.167662592
25	B/D	25B/D	0.167662592
25	C	25C	0.167662592
25	C/D	25C/D	0.167662592
25	D	25D	0.167662592
25	W	25W	0.167662592
26	A	26A	0.178917843
26	A/D	26A/D	0.178917843
26	B	26B	0.178917843
26	B/D	26B/D	0.178917843
26	C	26C	0.178917843
26	C/D	26C/D	0.178917843
26	D	26D	0.178917843
26	W	26W	0.178917843
27	A	27A	0.00229863
27	A/D	27A/D	0.00229863

Land_Use_ID	HydroGP	LUC_HYDRO	C
27	B	27B	0.00229863
27	B/D	27B/D	0.00229863
27	C	27C	0.00229863
27	C/D	27C/D	0.00229863
27	D	27D	0.00229863
27	W	27W	0.00229863
28	A	28A	0.094091297
28	A/D	28A/D	0.094091297
28	B	28B	0.094091297
28	B/D	28B/D	0.094091297
28	C	28C	0.094091297
28	C/D	28C/D	0.094091297
28	D	28D	0.094091297
28	W	28W	0.094091297

Appendix C.9: C Value Table - September

Land_Use_ID	HydroGP	LUC_HYDRO	C
1	A	1A	0.018910027
1	A/D	1A/D	0.173637284
1	B	1B	0.066599621
1	B/D	1B/D	0.173637284
1	C	1C	0.12592716
1	C/D	1C/D	0.173637284
1	D	1D	0.173637284
1	W	1W	0.173637284
2	A	2A	0.007873862
2	A/D	2A/D	0.155676774
2	B	2B	0.051536886
2	B/D	2B/D	0.155676774
2	C	2C	0.107148089
2	C/D	2C/D	0.155676774
2	D	2D	0.155676774
2	W	2W	0.155676774
3	A	3A	0.532345542
3	A/D	3A/D	0.532345542
3	B	3B	0.560527487
3	B/D	3B/D	0.560527487
3	C	3C	0.591582127
3	C/D	3C/D	0.591582127
3	D	3D	0.612504314
3	W	3W	0.612504314
4	A	4A	0.010378396
4	A/D	4A/D	0.140019083
4	B	4B	0.04613173
4	B/D	4B/D	0.140019083
4	C	4C	0.095672554
4	C/D	4C/D	0.140019083
4	D	4D	0.140019083
4	W	4W	0.140019083
5	A	5A	0.280367457
5	A/D	5A/D	0.280367457
5	B	5B	0.321627836
5	B/D	5B/D	0.321627836
5	C	5C	0.369553881
5	C/D	5C/D	0.369553881
5	D	5D	0.403943869
5	W	5W	0.403943869
6	A	6A	0.296024748
6	A/D	6A/D	0.296024748

Land_Use_ID	HydroGP	LUC_HYDRO	C
6	B	6B	0.296024748
6	B/D	6B/D	0.296024748
6	C	6C	0.296024748
6	C/D	6C/D	0.296024748
6	D	6D	0.296024748
6	W	6W	0.296024748
7	A	7A	0.116143726
7	A/D	7A/D	0.116143726
7	B	7B	0.165836898
7	B/D	7B/D	0.165836898
7	C	7C	0.225239585
7	C/D	7C/D	0.225239585
7	D	7D	0.270463549
7	W	7W	0.270463549
8	A	8A	0.104722713
8	A/D	8A/D	0.104722713
8	B	8B	0.149714228
8	B/D	8B/D	0.149714228
8	C	8C	0.206450355
8	C/D	8C/D	0.206450355
8	D	8D	0.250200221
8	W	8W	0.250200221
9	A	9A	0.028530458
9	A/D	9A/D	0.028530458
9	B	9B	0.080639253
9	B/D	9B/D	0.080639253
9	C	9C	0.14471639
9	C/D	9C/D	0.14471639
9	D	9D	0.193900612
9	W	9W	0.193900612
10	A	10A	0.198105319
10	A/D	10A/D	0.198105319
10	B	10B	0.243249266
10	B/D	10B/D	0.243249266
10	C	10C	0.296368165
10	C/D	10C/D	0.296368165
10	D	10D	0.336894821
10	W	10W	0.336894821
11	A	11A	0.011513983
11	A/D	11A/D	0.155676774
11	B	11B	0.056942043
11	B/D	11B/D	0.155676774

Land_Used_ID	HydroGP	LUC_HYDRO	C
11	C	11C	0.112885856
11	C/D	11C/D	0.155676774
11	D	11D	0.155676774
11	W	11W	0.155676774
12	A	12A	0.014920745
12	A/D	12A/D	0.16350562
12	B	12B	0.060330667
12	B/D	12B/D	0.16350562
12	C	12C	0.118623624
12	C/D	12C/D	0.16350562
12	D	12D	0.16350562
12	W	12W	0.16350562
13	A	13A	0.014920745
13	A/D	13A/D	0.16350562
13	B	13B	0.060330667
13	B/D	13B/D	0.16350562
13	C	13C	0.118623624
13	C/D	13C/D	0.16350562
13	D	13D	0.16350562
13	W	13W	0.16350562
14	A	14A	0.014920745
14	A/D	14A/D	0.16350562
14	B	14B	0.060330667
14	B/D	14B/D	0.16350562
14	C	14C	0.118623624
14	C/D	14C/D	0.16350562
14	D	14D	0.16350562
14	W	14W	0.16350562
15	A	15A	0.018910027
15	A/D	15A/D	0.173637284
15	B	15B	0.066599621
15	B/D	15B/D	0.173637284
15	C	15C	0.12592716
15	C/D	15C/D	0.173637284
15	D	15D	0.173637284
15	W	15W	0.173637284
16	A	16A	0.104722713
16	A/D	16A/D	0.250200221
16	B	16B	0.149714228
16	B/D	16B/D	0.250200221
16	C	16C	0.206450355
16	C/D	16C/D	0.250200221

Land_Used_ID	HydroGP	LUC_HYDRO	C
16	D	16D	0.250200221
16	W	16W	0.250200221
17	A	17A	0.082600119
17	A/D	17A/D	0.289533265
17	B	17B	0.147847928
17	B/D	17B/D	0.289533265
17	C	17C	0.219792642
17	C/D	17C/D	0.289533265
17	D	17D	0.289533265
17	W	17W	0.289533265
18	A	18A	0.023373498
18	A/D	18A/D	0.197277833
18	B	18B	0.07824264
18	B/D	18B/D	0.197277833
18	C	18C	0.140019083
18	C/D	18C/D	0.197277833
18	D	18D	0.197277833
18	W	18W	0.197277833
19	A	19A	0.010378396
19	A/D	19A/D	0.140019083
19	B	19B	0.04613173
19	B/D	19B/D	0.140019083
19	C	19C	0.095672554
19	C/D	19C/D	0.140019083
19	D	19D	0.140019083
19	W	19W	0.140019083
20	A	20A	0.280367457
20	A/D	20A/D	0.280367457
20	B	20B	0.321627836
20	B/D	20B/D	0.321627836
20	C	20C	0.369553881
20	C/D	20C/D	0.369553881
20	D	20D	0.403943869
20	W	20W	0.403943869
21	A	21A	0.011513983
21	A/D	21A/D	0.155676774
21	B	21B	0.056942043
21	B/D	21B/D	0.155676774
21	C	21C	0.112885856
21	C/D	21C/D	0.155676774
21	D	21D	0.155676774
21	W	21W	0.155676774

Land_Used_ID	HydroGP	LUC_HYDRO	C
22	A	22A	0.155676774
22	A/D	22A/D	0.155676774
22	B	22B	0.155676774
22	B/D	22B/D	0.155676774
22	C	22C	0.155676774
22	C/D	22C/D	0.155676774
22	D	22D	0.155676774
22	W	22W	0.155676774
23	A	23A	1
23	A/D	23A/D	1
23	B	23B	1
23	B/D	23B/D	1
23	C	23C	1
23	C/D	23C/D	1
23	D	23D	1
23	W	23W	1
24	A	24A	0.296024748
24	A/D	24A/D	0.296024748
24	B	24B	0.296024748
24	B/D	24B/D	0.296024748
24	C	24C	0.296024748
24	C/D	24C/D	0.296024748
24	D	24D	0.296024748
24	W	24W	0.296024748
25	A	25A	0.281137928
25	A/D	25A/D	0.281137928
25	B	25B	0.281137928
25	B/D	25B/D	0.281137928
25	C	25C	0.281137928
25	C/D	25C/D	0.281137928
25	D	25D	0.281137928
25	W	25W	0.281137928
26	A	26A	0.296024748
26	A/D	26A/D	0.296024748
26	B	26B	0.296024748
26	B/D	26B/D	0.296024748
26	C	26C	0.296024748
26	C/D	26C/D	0.296024748
26	D	26D	0.296024748
26	W	26W	0.296024748
27	A	27A	0.011513983
27	A/D	27A/D	0.011513983

Land_Use_ID	HydroGP	LUC_HYDRO	C
27	B	27B	0.011513983
27	B/D	27B/D	0.011513983
27	C	27C	0.011513983
27	C/D	27C/D	0.011513983
27	D	27D	0.011513983
27	W	27W	0.011513983
28	A	28A	0.155676774
28	A/D	28A/D	0.155676774
28	B	28B	0.155676774
28	B/D	28B/D	0.155676774
28	C	28C	0.155676774
28	C/D	28C/D	0.155676774
28	D	28D	0.155676774
28	W	28W	0.155676774

Appendix C.10: C Value Table - October

Land_Use_ID	HydroGP	LUC_HYDRO	C
1	A	1A	0.034710942
1	A/D	1A/D	0.245590946
1	B	1B	0.107942945
1	B/D	1B/D	0.245590946
1	C	1C	0.188326905
1	C/D	1C/D	0.245590946
1	D	1D	0.245590946
1	W	1W	0.245590946
2	A	2A	0.016046044
2	A/D	2A/D	0.224625387
2	B	2B	0.08556147
2	B/D	2B/D	0.224625387
2	C	2C	0.163920812
2	C/D	2C/D	0.224625387
2	D	2D	0.224625387
2	W	2W	0.224625387
3	A	3A	0.546192344
3	A/D	3A/D	0.546192344
3	B	3B	0.582018566
3	B/D	3B/D	0.582018566
3	C	3C	0.616527413
3	C/D	3C/D	0.616527413
3	D	3D	0.638233776
3	W	3W	0.638233776
4	A	4A	0.02060665
4	A/D	4A/D	0.205520923
4	B	4B	0.077348106
4	B/D	4B/D	0.205520923
4	C	4C	0.148923714
4	C/D	4C/D	0.205520923
4	D	4D	0.205520923
4	W	4W	0.205520923
5	A	5A	0.298861988
5	A/D	5A/D	0.298861988
5	B	5B	0.357623986
5	B/D	5B/D	0.357623986
5	C	5C	0.4166622
5	C/D	5C/D	0.4166622
5	D	5D	0.455247336
5	W	5W	0.455247336
6	A	6A	0.427132911
6	A/D	6A/D	0.427132911

Land_Use_ID	HydroGP	LUC_HYDRO	C
6	B	6B	0.427132911
6	B/D	6B/D	0.427132911
6	C	6C	0.427132911
6	C/D	6C/D	0.427132911
6	D	6D	0.427132911
6	W	6W	0.427132911
7	A	7A	0.138733316
7	A/D	7A/D	0.138733316
7	B	7B	0.211500047
7	B/D	7B/D	0.211500047
7	C	7C	0.286738179
7	C/D	7C/D	0.286738179
7	D	7D	0.338122822
7	W	7W	0.338122822
8	A	8A	0.120822493
8	A/D	8A/D	0.120822493
8	B	8B	0.189083564
8	B/D	8B/D	0.189083564
8	C	8C	0.263812822
8	C/D	8C/D	0.263812822
8	D	8D	0.31529617
8	W	8W	0.31529617
9	A	9A	0.050004543
9	A/D	9A/D	0.050004543
9	B	9B	0.128021858
9	B/D	9B/D	0.128021858
9	C	9C	0.211252262
9	C/D	9C/D	0.211252262
9	D	9D	0.268417598
9	W	9W	0.268417598
10	A	10A	0.218591835
10	A/D	10A/D	0.218591835
10	B	10B	0.284058003
10	B/D	10B/D	0.284058003
10	C	10C	0.350761417
10	C/D	10C/D	0.350761417
10	D	10D	0.396414721
10	W	10W	0.396414721
11	A	11A	0.022511608
11	A/D	11A/D	0.224625387
11	B	11B	0.093774835
11	B/D	11B/D	0.224625387

Land_Used_ID	HydroGP	LUC_HYDRO	C
11	C	11C	0.171419361
11	C/D	11C/D	0.224625387
11	D	11D	0.224625387
11	W	11W	0.224625387
12	A	12A	0.028226482
12	A/D	12A/D	0.23417762
12	B	12B	0.098746102
12	B/D	12B/D	0.23417762
12	C	12C	0.178917909
12	C/D	12C/D	0.23417762
12	D	12D	0.23417762
12	W	12W	0.23417762
13	A	13A	0.028226482
13	A/D	13A/D	0.23417762
13	B	13B	0.098746102
13	B/D	13B/D	0.23417762
13	C	13C	0.178917909
13	C/D	13C/D	0.23417762
13	D	13D	0.23417762
13	W	13W	0.23417762
14	A	14A	0.028226482
14	A/D	14A/D	0.23417762
14	B	14B	0.098746102
14	B/D	14B/D	0.23417762
14	C	14C	0.178917909
14	C/D	14C/D	0.23417762
14	D	14D	0.23417762
14	W	14W	0.23417762
15	A	15A	0.034710942
15	A/D	15A/D	0.245590946
15	B	15B	0.107942945
15	B/D	15B/D	0.245590946
15	C	15C	0.188326905
15	C/D	15C/D	0.245590946
15	D	15D	0.245590946
15	W	15W	0.245590946
16	A	16A	0.120822493
16	A/D	16A/D	0.31529617
16	B	16B	0.189083564
16	B/D	16B/D	0.31529617
16	C	16C	0.263812822
16	C/D	16C/D	0.31529617

Land_Use_ID	HydroGP	LUC_HYDRO	C
16	D	16D	0.31529617
16	W	16W	0.31529617
17	A	17A	0.130748187
17	A/D	17A/D	0.36993953
17	B	17B	0.215073155
17	B/D	17B/D	0.36993953
17	C	17C	0.297584986
17	C/D	17C/D	0.36993953
17	D	17D	0.36993953
17	W	17W	0.36993953
18	A	18A	0.041873753
18	A/D	18A/D	0.27222204
18	B	18B	0.124689678
18	B/D	18B/D	0.27222204
18	C	18C	0.205520923
18	C/D	18C/D	0.27222204
18	D	18D	0.27222204
18	W	18W	0.27222204
19	A	19A	0.02060665
19	A/D	19A/D	0.205520923
19	B	19B	0.077348106
19	B/D	19B/D	0.205520923
19	C	19C	0.148923714
19	C/D	19C/D	0.205520923
19	D	19D	0.205520923
19	W	19W	0.205520923
20	A	20A	0.298861988
20	A/D	20A/D	0.298861988
20	B	20B	0.357623986
20	B/D	20B/D	0.357623986
20	C	20C	0.4166622
20	C/D	20C/D	0.4166622
20	D	20D	0.455247336
20	W	20W	0.455247336
21	A	21A	0.022511608
21	A/D	21A/D	0.224625387
21	B	21B	0.093774835
21	B/D	21B/D	0.224625387
21	C	21C	0.171419361
21	C/D	21C/D	0.224625387
21	D	21D	0.224625387
21	W	21W	0.224625387

Land_Used_ID	HydroGP	LUC_HYDRO	C
22	A	22A	0.224625387
22	A/D	22A/D	0.224625387
22	B	22B	0.224625387
22	B/D	22B/D	0.224625387
22	C	22C	0.224625387
22	C/D	22C/D	0.224625387
22	D	22D	0.224625387
22	W	22W	0.224625387
23	A	23A	1
23	A/D	23A/D	1
23	B	23B	1
23	B/D	23B/D	1
23	C	23C	1
23	C/D	23C/D	1
23	D	23D	1
23	W	23W	1
24	A	24A	0.427132911
24	A/D	24A/D	0.427132911
24	B	24B	0.427132911
24	B/D	24B/D	0.427132911
24	C	24C	0.427132911
24	C/D	24C/D	0.427132911
24	D	24D	0.427132911
24	W	24W	0.427132911
25	A	25A	0.408969012
25	A/D	25A/D	0.408969012
25	B	25B	0.408969012
25	B/D	25B/D	0.408969012
25	C	25C	0.408969012
25	C/D	25C/D	0.408969012
25	D	25D	0.408969012
25	W	25W	0.408969012
26	A	26A	0.427132911
26	A/D	26A/D	0.427132911
26	B	26B	0.427132911
26	B/D	26B/D	0.427132911
26	C	26C	0.427132911
26	C/D	26C/D	0.427132911
26	D	26D	0.427132911
26	W	26W	0.427132911
27	A	27A	0.022511608
27	A/D	27A/D	0.022511608

Land_Use_ID	HydroGP	LUC_HYDRO	C
27	B	27B	0.022511608
27	B/D	27B/D	0.022511608
27	C	27C	0.022511608
27	C/D	27C/D	0.022511608
27	D	27D	0.022511608
27	W	27W	0.022511608
28	A	28A	0.224625387
28	A/D	28A/D	0.224625387
28	B	28B	0.224625387
28	B/D	28B/D	0.224625387
28	C	28C	0.224625387
28	C/D	28C/D	0.224625387
28	D	28D	0.224625387
28	W	28W	0.224625387

Appendix C.11: C Value Table - November

Land_Used_ID	HydroGP	LUC_HYDRO	C
1	A	1A	0.029090828
1	A/D	1A/D	0.178189361
1	B	1B	0.079921744
1	B/D	1B/D	0.178189361
1	C	1C	0.135803514
1	C/D	1C/D	0.178189361
1	D	1D	0.178189361
1	W	1W	0.178189361
2	A	2A	0.014978203
2	A/D	2A/D	0.162357288
2	B	2B	0.06458673
2	B/D	2B/D	0.162357288
2	C	2C	0.118623567
2	C/D	2C/D	0.162357288
2	D	2D	0.162357288
2	W	2W	0.162357288
3	A	3A	0.516202293
3	A/D	3A/D	0.516202293
3	B	3B	0.541807606
3	B/D	3B/D	0.541807606
3	C	3C	0.568885444
3	C/D	3C/D	0.568885444
3	D	3D	0.586964675
3	W	3W	0.586964675
4	A	4A	0.018568513
4	A/D	4A/D	0.148381617
4	B	4B	0.058928521
4	B/D	4B/D	0.148381617
4	C	4C	0.108101981
4	C/D	4C/D	0.148381617
4	D	4D	0.148381617
4	W	4W	0.148381617
5	A	5A	0.12388436
5	A/D	5A/D	0.278700616
5	B	5B	0.278700616
5	B/D	5B/D	0.319191821
5	C	5C	0.319191821
5	C/D	5C/D	0.362171306
5	D	5D	0.362171306
5	W	5W	0.392176008
6	A	6A	0.308727975
6	A/D	6A/D	0.308727975

Land_Used_ID	HydroGP	LUC_HYDRO	C
6	B	6B	0.308727975
6	B/D	6B/D	0.308727975
6	C	6C	0.308727975
6	C/D	6C/D	0.308727975
6	D	6D	0.308727975
6	W	6W	0.308727975
7	A	7A	0.148381617
7	A/D	7A/D	0.123538536
7	B	7B	0.123538536
7	B/D	7B/D	0.173613077
7	C	7C	0.173613077
7	C/D	7C/D	0.22746243
7	D	7D	0.22746243
7	W	7W	0.267032082
8	A	8A	0.267032082
8	A/D	8A/D	0.111039963
8	B	8B	0.111039963
8	B/D	8B/D	0.158161735
8	C	8C	0.158161735
8	C/D	8C/D	0.210691625
8	D	8D	0.210691625
8	W	8W	0.249343607
9	A	9A	0.249343607
9	A/D	9A/D	0.039900593
9	B	9B	0.039900593
9	B/D	9B/D	0.093694649
9	C	9C	0.093694649
9	C/D	9C/D	0.152574318
9	D	9D	0.152574318
9	W	9W	0.195877836
10	A	10A	0.195877836
10	A/D	10A/D	0.200985706
10	B	10B	0.200985706
10	B/D	10B/D	0.246022785
10	C	10C	0.246022785
10	C/D	10C/D	0.29396514
10	D	10D	0.29396514
10	W	10W	0.32934209
11	A	11A	0.020016965
11	A/D	11A/D	0.162357288
11	B	11B	0.070244938
11	B/D	11B/D	0.162357288

Land_Used_ID	HydroGP	LUC_HYDRO	C
11	C	11C	0.12388436
11	C/D	11C/D	0.162357288
11	D	11D	0.162357288
11	W	11W	0.162357288
12	A	12A	0.148381617
12	A/D	12A/D	0.024362322
12	B	12B	0.169345123
12	B/D	12B/D	0.073640308
12	C	12C	0.169345123
12	C/D	12C/D	0.129145153
12	D	12D	0.169345123
12	W	12W	0.169345123
13	A	13A	0.169345123
13	A/D	13A/D	0.024362322
13	B	13B	0.169345123
13	B/D	13B/D	0.073640308
13	C	13C	0.169345123
13	C/D	13C/D	0.129145153
13	D	13D	0.169345123
13	W	13W	0.169345123
14	A	14A	0.169345123
14	A/D	14A/D	0.024362322
14	B	14B	0.169345123
14	B/D	14B/D	0.073640308
14	C	14C	0.169345123
14	C/D	14C/D	0.129145153
14	D	14D	0.169345123
14	W	14W	0.169345123
15	A	15A	0.169345123
15	A/D	15A/D	0.029090828
15	B	15B	0.178189361
15	B/D	15B/D	0.079921744
15	C	15C	0.178189361
15	C/D	15C/D	0.135803514
15	D	15D	0.178189361
15	W	15W	0.178189361
16	A	16A	0.178189361
16	A/D	16A/D	0.111039963
16	B	16B	0.249343607
16	B/D	16B/D	0.158161735
16	C	16C	0.249343607
16	C/D	16C/D	0.210691625

Land_Used_ID	HydroGP	LUC_HYDRO	C
16	D	16D	0.249343607
16	W	16W	0.249343607
17	A	17A	0.249343607
17	A/D	17A/D	0.095573866
17	B	17B	0.278743878
17	B/D	17B/D	0.155369452
17	C	17C	0.278743878
17	C/D	17C/D	0.218479777
17	D	17D	0.278743878
17	W	17W	0.278743878
18	A	18A	0.278743878
18	A/D	18A/D	0.034221169
18	B	18B	0.198825915
18	B/D	18B/D	0.091397828
18	C	18C	0.198825915
18	C/D	18C/D	0.148381617
18	D	18D	0.198825915
18	W	18W	0.198825915
19	A	19A	0.018568513
19	A/D	19A/D	0.148381617
19	B	19B	0.058928521
19	B/D	19B/D	0.148381617
19	C	19C	0.108101981
19	C/D	19C/D	0.148381617
19	D	19D	0.148381617
19	W	19W	0.148381617
20	A	20A	0.12388436
20	A/D	20A/D	0.278700616
20	B	20B	0.278700616
20	B/D	20B/D	0.319191821
20	C	20C	0.319191821
20	C/D	20C/D	0.362171306
20	D	20D	0.362171306
20	W	20W	0.392176008
21	A	21A	0.020016965
21	A/D	21A/D	0.162357288
21	B	21B	0.070244938
21	B/D	21B/D	0.162357288
21	C	21C	0.12388436
21	C/D	21C/D	0.162357288
21	D	21D	0.162357288
21	W	21W	0.162357288

Land_Used_ID	HydroGP	LUC_HYDRO	C
22	A	22A	0.162357288
22	A/D	22A/D	0.162357288
22	B	22B	0.162357288
22	B/D	22B/D	0.162357288
22	C	22C	0.162357288
22	C/D	22C/D	0.162357288
22	D	22D	0.162357288
22	W	22W	0.162357288
23	A	23A	1
23	A/D	23A/D	1
23	B	23B	1
23	B/D	23B/D	1
23	C	23C	1
23	C/D	23C/D	1
23	D	23D	1
23	W	23W	1
24	A	24A	0.308727975
24	A/D	24A/D	0.308727975
24	B	24B	0.308727975
24	B/D	24B/D	0.308727975
24	C	24C	0.308727975
24	C/D	24C/D	0.308727975
24	D	24D	0.308727975
24	W	24W	0.308727975
25	A	25A	0.295440365
25	A/D	25A/D	0.295440365
25	B	25B	0.295440365
25	B/D	25B/D	0.295440365
25	C	25C	0.295440365
25	C/D	25C/D	0.295440365
25	D	25D	0.295440365
25	W	25W	0.295440365
26	A	26A	0.308727975
26	A/D	26A/D	0.308727975
26	B	26B	0.308727975
26	B/D	26B/D	0.308727975
26	C	26C	0.308727975
26	C/D	26C/D	0.308727975
26	D	26D	0.308727975
26	W	26W	0.308727975
27	A	27A	0.020016965
27	A/D	27A/D	0.020016965

Land_Use_ID	HydroGP	LUC_HYDRO	C
27	B	27B	0.020016965
27	B/D	27B/D	0.020016965
27	C	27C	0.020016965
27	C/D	27C/D	0.020016965
27	D	27D	0.020016965
27	W	27W	0.020016965
28	A	28A	0.162357288
28	A/D	28A/D	0.162357288
28	B	28B	0.162357288
28	B/D	28B/D	0.162357288
28	C	28C	0.162357288
28	C/D	28C/D	0.162357288
28	D	28D	0.162357288
28	W	28W	0.162357288

Appendix C.12: C Value Table - December

Land_Use_ID	HydroGP	LUC_HYDRO	C
1	A	1A	0.0045377
1	A/D	1A/D	0.096372602
1	B	1B	0.024452979
1	B/D	1B/D	0.096372602
1	C	1C	0.060351873
1	C/D	1C/D	0.096372602
1	D	1D	0.096372602
1	W	1W	0.096372602
2	A	2A	0.00116762
2	A/D	2A/D	0.082155307
2	B	2B	0.017142768
2	B/D	2B/D	0.082155307
2	C	2C	0.048078915
2	C/D	2C/D	0.082155307
2	D	2D	0.082155307
2	W	2W	0.082155307
3	A	3A	0.49692773
3	A/D	3A/D	0.49692773
3	B	3B	0.516173343
3	B/D	3B/D	0.516173343
3	C	3C	0.542773865
3	C/D	3C/D	0.542773865
3	D	3D	0.562602455
3	W	3W	0.562602455
4	A	4A	0.005631574
4	A/D	4A/D	0.087021964
4	B	4B	0.028771368
4	B/D	4B/D	0.087021964
4	C	4C	0.05878615
4	C/D	4C/D	0.087021964
4	D	4D	0.087021964
4	W	4W	0.087021964
5	A	5A	0.251280494
5	A/D	5A/D	0.251280494
5	B	5B	0.273624535
5	B/D	5B/D	0.273624535
5	C	5C	0.308260005
5	C/D	5C/D	0.308260005
5	D	5D	0.33723538
5	W	5W	0.33723538
6	A	6A	0.18488828
6	A/D	6A/D	0.18488828

Land_Use_ID	HydroGP	LUC_HYDRO	C
6	B	6B	0.18488828
6	B/D	6B/D	0.18488828
6	C	6C	0.18488828
6	C/D	6C/D	0.18488828
6	D	6D	0.18488828
6	W	6W	0.18488828
7	A	7A	0.090337554
7	A/D	7A/D	0.090337554
7	B	7B	0.115205537
7	B/D	7B/D	0.115205537
7	C	7C	0.156021712
7	C/D	7C/D	0.156021712
7	D	7D	0.193382557
7	W	7W	0.193382557
8	A	8A	0.086118231
8	A/D	8A/D	0.086118231
8	B	8B	0.105951033
8	B/D	8B/D	0.105951033
8	C	8C	0.142251122
8	C/D	8C/D	0.142251122
8	D	8D	0.176423458
8	W	8W	0.176423458
9	A	9A	0.007891539
9	A/D	9A/D	0.007891539
9	B	9B	0.032032775
9	B/D	9B/D	0.032032775
9	C	9C	0.074122463
9	C/D	9C/D	0.074122463
9	D	9D	0.113331701
9	W	9W	0.113331701
10	A	10A	0.170703682
10	A/D	10A/D	0.170703682
10	B	10B	0.193992497
10	B/D	10B/D	0.193992497
10	C	10C	0.231035666
10	C/D	10C/D	0.231035666
10	D	10D	0.264953863
10	W	10W	0.264953863
11	A	11A	0.006448257
11	A/D	11A/D	0.097231097
11	B	11B	0.035182953
11	B/D	11B/D	0.097231097

Land_Used_ID	HydroGP	LUC_HYDRO	C
11	C	11C	0.069602159
11	C/D	11C/D	0.097231097
11	D	11D	0.097231097
11	W	11W	0.097231097
12	A	12A	0.003226665
12	A/D	12A/D	0.087893053
12	B	12B	0.021266755
12	B/D	12B/D	0.087893053
12	C	12C	0.055495854
12	C/D	12C/D	0.087893053
12	D	12D	0.087893053
12	W	12W	0.087893053
13	A	13A	0.003226665
13	A/D	13A/D	0.087893053
13	B	13B	0.021266755
13	B/D	13B/D	0.087893053
13	C	13C	0.055495854
13	C/D	13C/D	0.087893053
13	D	13D	0.087893053
13	W	13W	0.087893053
14	A	14A	0.003226665
14	A/D	14A/D	0.087893053
14	B	14B	0.021266755
14	B/D	14B/D	0.087893053
14	C	14C	0.055495854
14	C/D	14C/D	0.087893053
14	D	14D	0.087893053
14	W	14W	0.087893053
15	A	15A	0.0045377
15	A/D	15A/D	0.096372602
15	B	15B	0.024452979
15	B/D	15B/D	0.096372602
15	C	15C	0.060351873
15	C/D	15C/D	0.096372602
15	D	15D	0.096372602
15	W	15W	0.096372602
16	A	16A	0.086118231
16	A/D	16A/D	0.176423458
16	B	16B	0.105951033
16	B/D	16B/D	0.176423458
16	C	16C	0.142251122
16	C/D	16C/D	0.176423458

Land_Used_ID	HydroGP	LUC_HYDRO	C
16	D	16D	0.176423458
16	W	16W	0.176423458
17	A	17A	0.033158323
17	A/D	17A/D	0.201096961
17	B	17B	0.076417561
17	B/D	17B/D	0.201096961
17	C	17C	0.135001661
17	C/D	17C/D	0.201096961
17	D	17D	0.201096961
17	W	17W	0.201096961
18	A	18A	0.006035567
18	A/D	18A/D	0.116158217
18	B	18B	0.030657105
18	B/D	18B/D	0.116158217
18	C	18C	0.070679816
18	C/D	18C/D	0.116158217
18	D	18D	0.116158217
18	W	18W	0.116158217
19	A	19A	0.005631574
19	A/D	19A/D	0.087021964
19	B	19B	0.028771368
19	B/D	19B/D	0.087021964
19	C	19C	0.05878615
19	C/D	19C/D	0.087021964
19	D	19D	0.087021964
19	W	19W	0.087021964
20	A	20A	0.251280494
20	A/D	20A/D	0.251280494
20	B	20B	0.273624535
20	B/D	20B/D	0.273624535
20	C	20C	0.308260005
20	C/D	20C/D	0.308260005
20	D	20D	0.33723538
20	W	20W	0.33723538
21	A	21A	0.006448257
21	A/D	21A/D	0.097231097
21	B	21B	0.035182953
21	B/D	21B/D	0.097231097
21	C	21C	0.069602159
21	C/D	21C/D	0.097231097
21	D	21D	0.097231097
21	W	21W	0.097231097

Land_Use_ID	HydroGP	LUC_HYDRO	C
22	A	22A	0.097231097
22	A/D	22A/D	0.097231097
22	B	22B	0.097231097
22	B/D	22B/D	0.097231097
22	C	22C	0.097231097
22	C/D	22C/D	0.097231097
22	D	22D	0.097231097
22	W	22W	0.097231097
23	A	23A	1
23	A/D	23A/D	1
23	B	23B	1
23	B/D	23B/D	1
23	C	23C	1
23	C/D	23C/D	1
23	D	23D	1
23	W	23W	1
24	A	24A	0.18488828
24	A/D	24A/D	0.18488828
24	B	24B	0.18488828
24	B/D	24B/D	0.18488828
24	C	24C	0.18488828
24	C/D	24C/D	0.18488828
24	D	24D	0.18488828
24	W	24W	0.18488828
25	A	25A	0.175181771
25	A/D	25A/D	0.175181771
25	B	25B	0.175181771
25	B/D	25B/D	0.175181771
25	C	25C	0.175181771
25	C/D	25C/D	0.175181771
25	D	25D	0.175181771
25	W	25W	0.175181771
26	A	26A	0.18488828
26	A/D	26A/D	0.18488828
26	B	26B	0.18488828
26	B/D	26B/D	0.18488828
26	C	26C	0.18488828
26	C/D	26C/D	0.18488828
26	D	26D	0.18488828
26	W	26W	0.18488828
27	A	27A	0.006448257
27	A/D	27A/D	0.006448257

Land_Use_ID	HydroGP	LUC_HYDRO	C
27	B	27B	0.006448257
27	B/D	27B/D	0.006448257
27	C	27C	0.006448257
27	C/D	27C/D	0.006448257
27	D	27D	0.006448257
27	W	27W	0.006448257
28	A	28A	0.097231097
28	A/D	28A/D	0.097231097
28	B	28B	0.097231097
28	B/D	28B/D	0.097231097
28	C	28C	0.097231097
28	C/D	28C/D	0.097231097
28	D	28D	0.097231097
28	W	28W	0.097231097

Appendix D: Impoundment Identification Table

ImpoundID	ImpounName	Shape_Length	Shape_Area
1	No Name	1605.471637	101309.805
2	No Name	1566.269659	127726.3824
3	Vans Island	2084.661831	112896.5682
4	No Name	640.4267906	24981.44069
5	No Name	1481.617073	51169.27238
6	Wigeon Bay Island	1086.571133	40906.01807
7	Cucumber Island	1644.558655	37728.71236
8	No Name	1442.328257	86343.35758
9	No Name	1459.83199	103265.1419
10	Turtle Pen Point	1143.449254	36561.21774
11	No Name	727.6719265	19368.98945
12	Big Island	1602.857341	134599.1176
13	No Name	946.0802329	39719.57251
14	Grassy Point West	2337.855963	103987.8831
15	Grassy Point East	538.9671825	14085.68291
16	T-34	2815.580401	232127.7058
17	T-35	6974.23742	440015.6212
18	T-37B	3017.75179	237761.8089
19	T-37A	2668.672484	114428.3835
20	Picnic Island	2784.988949	253649.7857
21	T-30	3859.79171	316108.4263
22	C-15E	6898.35015	1139216.779
23	C-21B	9719.352686	4415688.911
24	C-21D	6936.988305	382821.6238
25	C-21C South	3486.857354	159438.4054
26	V-1	5336.851306	357382.6492
27	V-2	3193.279845	246671.0215
28	V-5	2277.838671	188490.8654
29	T-45	3657.408535	161425.2635
30	T-39N	3259.030505	117023.104
31	T-9	4440.931143	597704.7362
32	T-10K	7690.634316	2158642.763
33	Air Force Restored	3377.10456	227973.3659
34	T-27B	11500.11566	2902173.718
35	T-27A	27736.16539	5636273.752

36	Shiloh 1 North	8745.174512	1506638.627
37	Shiloh 1 South B	5620.87088	746106.4018
38	T-21	5700.981778	317967.5795
39	Shiloh 1 South A	2374.544726	263676.4919
40	Shiloh 5	17242.77541	3682447.059
41	Shiloh 3	6693.318492	1308488.592
42	T-10L	10948.1574	2899266.759
43	T-10J	7718.17747	2321873.613
44	T-10H	7406.481455	1353435.253
45	T-10M	15935.9886	4315276.912
46	T-10 I North	4095.485697	724077.5517
47	T-10 I South	4103.509127	950811.0828
48	T-10G	6839.404691	1326803.515
49	T-10E	2626.356364	259189.3247
50	T-10D	3535.961956	699487.7893
51	T-10C	2636.33765	254801.8294
52	T-10F	3250.907899	553185.0561
53	T-18A	6962.902907	809880.5858
54	T-24D	17262.1124	11539770.3
55	T-24B	3874.103941	879196.0447
56	T-24A	3808.545221	490719.4567
57	T-24C	4790.098134	851745.7244
58	T-16	10519.20365	3612899.82
59	T-17	6179.794296	1458009.075
60	C-20C	6714.228806	1398143.932
61	C-20A	16829.01002	3635195.66
62	C-20B	4165.370924	762548.5055
63	C21-36	7421.423187	1634420.862
64	T-10-B	2602.83029	155764.5616
65	T-18-B	4725.32337	376261.4801
66	T-27-D	14500.01048	2416764.519
67	T-33-A	3529.134664	346671.4317
68	T-29-A	4722.770794	567721.2271
69	T-29-B	4443.771128	658903.9725
70	V-3	7180.75679	1733738.649
71	V-4	5991.656301	739571.8817

72	T-44	9021.857068	1051385.426
73	T-43	10151.06333	1925201.821
74	T-42	7828.015535	476143.5204
75	T-40	10580.81995	1049264.809
76	T-39-S	6283.573339	298067.801
77	T-38	9061.07256	1063809.327
78	T-25-A	7399.877902	1446030.769
79	T-25-B	5768.183752	446111.3785
80	T-25-D	2689.331361	206077.0192
81	T-25-C	4054.536714	380481.9815
82	T-28-A	3327.151937	114208.2224
83	T-28-B	5788.865214	863266.4496
84	C-21-C N	13322.08956	902953.7619
85	C-15-D	9240.462365	1868987.522
86	C-15-C	11074.8796	5920017.616
87	C-15-B	6595.86801	2242122.015
88	GATOR CK	22886.02402	2202669.49
89	MOORE CK	19370.84008	2342056.757
90	Air Force	2404.816051	189522.5424
91	T-33-B	7431.463482	413944.2269
92	T-33-C	7938.954791	894702.7506
93	CCAFS B	8526.506255	3924673.746
94	CCAFS C	5182.418435	1234292.719
95	Triangle	4250.740592	564062.997
96	T-10 A	2999.895194	294385.5809
97	T-41	5392.276473	118466.3168
98	Shiloh 1 North Restored	2283.906676	131774.0875
99	T-43	2702.430428	344682.3805
100	1.1	20374.49191	6280576.249
101	1.3	16936.56649	2073591.773
102	1 SEBASTIAN INLET SP	3414.795886	578185.279
103	3 PETES	3698.153667	599835.5782
104	2 BIRDS	4357.942344	654701.3997
105	4 DEERFIELD NORTH	3170.029451	205307.2267
106	5 DEERFIELD SOUTH	2237.240184	121932.8871
107	6 PINE ISLAND	8003.604296	1297616.189

108	7 HOLE-IN-THE-WALL	3100.55644	481688.4412
109	8 WATER TOWER	4151.24539	614926.9726
110	9 SAND POINT	3305.521587	565715.6232
111	26 TRIANGLE	1014.165705	56871.99023
112	25 GIFFORD PLOTS (LAB)	2742.386732	323648.6035
113	24 NORTH JOHN KNIGHTS	1934.420333	178381.9387
114	23 SOUTH JOHN KNIGHTS	1782.390109	155457.2995
115	22 GOLF COURSE	3040.188135	367972.5565
116	30A NORTH VICKERS A	1464.181327	75879.81267
117	30A NORTH VICKERS B	1161.719892	72761.46834
118	30A NORTH VICKERS C	1280.945935	81593.77946
119	30B SOUTH VICKERS	890.6302279	47721.15843
120	29 MORGANS A	1290.077749	68060.70557
121	29 MORGANS B	1517.524629	103567.9165
122	29 MORGANS C	951.1594368	56743.95831
123	29 MORGANS D	881.6046135	42029.94417
124	28 NORTH WINTER BEACH A	2557.374076	158212.6251
125	28 NORTH WINTER BEACH B	1205.449786	60617.67989
126	28 NORTH WINTER BEACH C	881.0580859	49842.56227
127	27N SOUTH WINTER BEACH	953.8018181	43681.84852
128	27S TIMINSKY	1816.517028	90609.59655
129	21 SCHLITTS	2138.737213	164588.8629
130	19 NORTH VISTA ROYALE	1904.607327	208152.563
131	18 SOUTH VISTA ROYALE	4531.244137	577939.2625
132	17 LOWENSTEINS	2076.229539	224209.5774
133	16 NORTH BILLS	2197.525471	164299.6431
134	15 MIDDLE BILLS	1937.628047	181087.6466
135	14 SOUTH BILLS	1174.480428	88339.17692
136	13 VERO SHORES	1780.808514	152098.1094
137	10A MOORINGS NORTH	1552.652618	121921.8338
138	10B MOORINGS SOUTH	812.6095781	38302.87792
139	11 OYSTER BAR	4126.946999	640679.3337
140	12 COUNTY LINE	2324.461562	265906.1474
141	CAMPBELLS COVE	3909.406721	275190.3307
142	LONG POINT	6070.868686	608792.3004
143	NANCY CREEK	2377.792789	68529.92395

144	LATHAM HOTEL	3174.760151	111023.334
145	SUNNYLAND	2012.917031	243672.0395
146	JOHN SMITH	6842.058174	636443.3063
147	NORTH SIPHON	850.1009924	33611.22958
148	HOG POINT	7213.342323	427279.0092
149	SOUTH SIPHON	1020.00017	65171.66257
150	NORTH GROVE	4801.67877	232494.419
151	19D DOUBLOON ISLAND	837.4274075	45955.54263
152	23 AVALON SP	7803.302596	956471.8501
153	24 AVALON ADDITION	3989.775275	307875.679
154	19B QUEENS ISLAND	4698.149747	1052627.437
155	19A FISH HOUSE COVE	3929.487748	646267.576
156	16A JACK ISLAND PRESERVE	6921.855016	1608648.366
157	21 QUEENS ROAD	2917.748516	237499.3007
158	17D JACK ISLAND ACCESS	486.998049	8860.992367
159	17C JACKSON WAY	874.0747224	25735.31362
160	17B PEPPER PARK	1024.758462	32457.89763
161	17A WILDCAT COVE	3693.66338	489618.9264
162	20A WATER PLANT	947.21006	18341.47669
163	15B LITTLE JIM	2166.847461	200012.7762
164	15A MANGROVE ISLAND	1233.169492	49417.22804
165	25P JIM ISLAND	790.4945574	35638.75235
166	18A FORT PIERCE INLET SP	4340.11618	738580.0413
167	1 AVALON SP (BEAR POINT)	7167.721155	2462154.618
168	2 BROOKS	4117.578965	696040.9913
169	3 GREEN TURTLE	3480.82834	488359.7642
170	4 VITOLO	3848.391242	805063.578
171	4SE VITOLO SE	1978.80722	171270.5688
172	5 BLIND CREEK NORTH	4670.097049	631251.3767
173	6 BLIND CREEK SOUTH	5948.624689	1425166.38
174	7 OCEAN BAY	4091.623083	964893.1367
175	8A POWER PLANT	1709.781275	180857.8046
176	8B POWER PLANT PARK POINT	1699.431038	140535.9018
177	8I MYG	429.3368986	9353.425154
178	8J KONOPUS	898.2573508	21136.76137
179	8C POWER PLANT ELBOW	2354.490865	240697.7376

180	8D POWER PLANT PIT	827.5222748	29561.53523
181	8E THE KEY	1889.298297	198136.1567
182	8F MUSKETA	537.6087586	18989.36302
183	8G ZANCUDOS	685.2989128	19240.24908
184	8H STECHMUKEN	261.2184597	3284.580235
185	9 OCEAN BAY PRESERVE	4285.741476	527964.1868
186	10A DOLLMAN	3054.818167	506833.1492
187	10B PEPPER LANE	3254.537621	320205.2386
188	1 BREVARD COUNTY	2293.211885	124152.9781
189	SOUTH MERRITT ISLAND A	4790.972154	606165.8081
190	10 TWO OAKS	1358.220194	99903.13912
191	S 1	10318.18943	1136680.174
192	11B AQUA RA	2238.858662	97872.01285
193	C-2S SYKES CREEK SOUTH C*	12021.715	5228573.171
194	C-2N SYKES CREEK NORTH C*	8623.680431	3026295.055
195	SOUTH MERRITT ISLAND C	4065.505767	322075.1847
196	4 SOUTH MERRITT ISLAND B	2824.72522	206805.7364
197	11 BREVARD	966.5992249	45046.48708
198	C-3 NEWFOUND HARBOR	1215.438461	54892.38559
199	20 VISTA GARDENS	3834.149014	406183.4991
200	GRAND HARBOR	2981.734608	361056.1745
201	14C HARBOR BRANCH NORTH	6119.744506	758943.3018
202	14B HARBOR BRANCH SOUTH	1773.540262	138599.1467
203	14A WILCOX	1407.831566	94191.90684
204	10A DOLLMAN SOUTH	3549.583433	508369.7987
205	2 BREVARD	1474.451415	140030.3064
206	T-27C	9069.525346	3342685.491

Appendix E.1: Impoundment Schedule Table, Year 1995

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
16	Restored	57.35457516	Yes	ROTATIONAL
53	Restored	200.1060827	Yes	ROTATIONAL
65	Restored	92.96730374	Yes	ROTATIONAL
74	Restored	117.6455926	Yes	ROTATIONAL
97	Restored	29.27071838	Yes	ROTATIONAL
17	Restored	108.7201395	Yes	ROTATIONAL
18	Restored	58.7466661	Yes	NO DISCHARGE
62	Restored	188.4115747	Yes	ROTATIONAL
76	Restored	73.64728301	Yes	ROTATIONAL
59	Reconnected	360.2455078	Yes	NO DISCHARGE
60	Reconnected	345.455899	Yes	NO CHANGE
36	Reconnected	372.2568953	Yes	ROTATIONAL
37	Reconnected	184.3465536	Yes	ROTATIONAL
39	Reconnected	65.14867332	Yes	ROTATIONAL
40	Reconnected	909.8476749	Yes	ROTATIONAL
41	Reconnected	323.297889	Yes	ROTATIONAL
46	Reconnected	178.9039382	Yes	ROTATIONAL
	Minimally connected	234.9248581	Yes	ROTATIONAL
47	Reconnected	62.95595214	Yes	ROTATIONAL
51	Reconnected	2851.233065	Yes	ROTATIONAL
54	Reconnected	217.230335	Yes	ROTATIONAL
55	Reconnected	210.4477956	Yes	ROTATIONAL
57	Reconnected	597.1420485	Yes	ROTATIONAL
66	Minimally connected	1462.717873	Yes	ROTATIONAL
86	Minimally connected	825.9194969	No	ROTATIONAL
206	Restored	28.91426667	Yes	ROTATIONAL
30	Island	25.03145753	Yes	NO CHANGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
2	Island	31.55842814	Yes	NO CHANGE
3	Island	27.89431628	Yes	NO CHANGE
4	Island	6.172373233	Yes	NO CHANGE
5	Island	12.64282595	Yes	NO CHANGE
6	Island	10.1070581	Yes	NO CHANGE
7	Island	9.322032316	Yes	NO CHANGE
8	Island	21.33378309	Yes	NO CHANGE
9	Island	25.5148479	Yes	NO CHANGE
10	Island	9.033578063	Yes	NO CHANGE
11	Island	4.785739373	Yes	NO CHANGE
12	Island	33.25702946	Yes	NO CHANGE
13	Island	9.813980197	Yes	NO CHANGE
14	Island	25.69305304	Yes	NO CHANGE
15	Island	3.480254374	Yes	NO CHANGE
19	Unconnected	28.2731969	Yes	NO DISCHARGE
20	Minimally connected	62.67253143	Yes	NO CHANGE
21	Unconnected	78.10550889	Yes	NO DISCHARGE
22	Unconnected	281.4781666	Yes	NO DISCHARGE
23	Reconnected	1091.045013	Yes	NO CHANGE
24	Restored	94.5888105	Yes	NO CHANGE
25	Restored	39.39464135	Yes	NO CHANGE
26	Restored	88.30149383	Yes	NO CHANGE
27	Restored	60.94708375	Yes	NO CHANGE
28	Restored	46.57212365	Yes	NO CHANGE
29	Restored	39.88483648	Yes	NO CHANGE
31	Restored	147.680411	Yes	NO CHANGE
32	Restored	533.3542508	Yes	NO CHANGE
33	Restored	56.32883888	Yes	NO CHANGE
34	Reconnected	717.0758648	Yes	NO DISCHARGE

<u>IMPOUND_ID</u>	<u>IMPOUND_TYPE</u>	<u>IMPOUND_ACRES</u>	<u>BURN_UNIT</u>	<u>IMPOUND_SCHEME</u>
35	Reconnected	1392.615791	Yes	NO DISCHARGE
38	Reconnected	78.56295407	Yes	ROTATIONAL
42	Reconnected	716.3477411	Yes	NO DISCHARGE
43	Reconnected	573.6842206	Yes	NO CHANGE
44	Reconnected	334.4043302	Yes	NO CHANGE
45	Reconnected	1066.215514	Yes	NO DISCHARGE
48	Reconnected	327.8245235	Yes	NO DISCHARGE
49	Reconnected	64.0400146	Yes	NO CHANGE
50	Reconnected	172.8281067	Yes	NO CHANGE
52	Reconnected	136.6800384	Yes	NO CHANGE
56	Reconnected	121.2461309	Yes	NO CHANGE
58	Reconnected	892.674957	Yes	NO CHANGE
61	Reconnected	898.1866873	Yes	ROTATIONAL
63	Reconnected	403.8367111	Yes	ROTATIONAL
	Minimally connected	38.48603533	Yes	NO DISCHARGE
64	Unconnected	85.6569842	Yes	NO DISCHARGE
67	Unconnected	140.2748512	Yes	NO DISCHARGE
68	Unconnected	162.8046621	Yes	NO DISCHARGE
69	Reconnected	428.3696038	Yes	NO CHANGE
70	Reconnected	182.7325068	Yes	NO CHANGE
	Minimally connected	259.7757411	Yes	NO CHANGE
72	Reconnected	475.6782707	Yes	NO CHANGE
	Minimally connected	259.253337	Yes	NO CHANGE
75	Minimally connected	262.848691	Yes	NO CHANGE
	Minimally connected	357.2923728	Yes	NO CHANGE
77	Unconnected	110.2275132	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
80	Unconnected Minimally connected	50.918591 94.01146409	Yes	NO DISCHARGE NO CHANGE
82	Reconnected Minimally connected	28.21908431 213.2999096	Yes	NO CHANGE
84	Restored Minimally connected	223.1055481 461.7895308	Yes	NO CHANGE
85	Minimally connected	553.9832268	Yes	NO CHANGE
87	Reconnected Minimally connected	544.2335121 578.6759683	Yes	NO CHANGE
88	Minimally connected	46.82826726	Yes	NO CHANGE
89	Unconnected	102.279086	Yes	NO DISCHARGE
90	Unconnected	221.0668073	Yes	NO DISCHARGE
91	Unconnected	969.7297179	Yes	NO DISCHARGE
92	Unconnected	304.9756492	Yes	NO DISCHARGE
93	Minimally connected	139.3679016	Yes	NO CHANGE
94	Unconnected Minimally connected	72.73607287	Yes	NO DISCHARGE
95	Restored	32.55842363	Yes	NO DISCHARGE
96	Restored	85.16406976	Yes	NO CHANGE
97		1551.78582	Yes	NO DISCHARGE
98		512.338504	Yes	NO DISCHARGE
99		142.8657732	No	ROTATIONAL
100		148.2158494	No	ROTATIONAL
101		161.7730076	No	ROTATIONAL
102		50.73049168	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
106		30.12905383	No	OPEN
107		320.6361941	No	ROTATIONAL
108		119.0234589	No	ROTATIONAL
109		151.9472976	No	ROTATIONAL
110		139.7875075	No	ROTATIONAL
111		14.05293246	No	OPEN
112		79.97280532	No	OPEN
113		44.07778285	No	OPEN
114		38.41315988	No	ROTATIONAL
115		90.92531474	No	ROTATIONAL
116		18.74940302	No	ROTATIONAL
117		17.97889284	No	ROTATIONAL
118		20.16131043	No	ROTATIONAL
119		11.79160458	No	ROTATIONAL
120		16.81744028	No	ROTATIONAL
121		25.59109844	No	ROTATIONAL
122		14.02114596	No	ROTATIONAL
123		10.38539126	No	ROTATIONAL
124		39.09362412	No	ROTATIONAL
125		14.97837432	No	ROTATIONAL
126		12.31589485	No	ROTATIONAL
127		10.7936133	No	ROTATIONAL
128		22.38929482	No	OPEN
129		40.66964743	No	ROTATIONAL
130		51.43427715	No	ROTATIONAL
131		142.8082468	No	ROTATIONAL
132		55.40200006	No	OPEN
133		40.59833677	No	ROTATIONAL
134		44.74665931	No	ROTATIONAL
135		21.82857654	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
136		37.58338667	No	ROTATIONAL
137		30.12710364	No	ROTATIONAL
138		9.464703444	No	ROTATIONAL
139		158.3129965	No	ROTATIONAL
140		65.70600475	No	OPEN
141		67.99756694	No	ROTATIONAL
142		150.4278541	No	ROTATIONAL
143		16.93317096	No	ROTATIONAL
144		27.43281772	No	OPEN
145		60.20890049	No	ROTATIONAL
146		157.2585475	No	ROTATIONAL
147		8.304986042	No	ROTATIONAL
148		105.5758742	No	ROTATIONAL
149		16.10325062	No	ROTATIONAL
150		57.44689389	No	ROTATIONAL
151		11.35573005	No	OPEN
152		236.346139	No	OPEN
153		76.07674657	No	ROTATIONAL
154		260.1070141	No	ROTATIONAL
155		159.6946126	No	ROTATIONAL
156		397.5021716	No	ROTATIONAL
157		58.68693163	No	OPEN
158		2.189586014	No	OPEN
159		6.359299995	No	OPEN
160		8.020482826	No	OPEN
161		120.9866588	No	ROTATIONAL
162		4.532255565	No	OPEN
163		49.42378182	No	OPEN
164		12.21115659	No	OPEN
165		8.806459546	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
166		182.5061341	No	ROTATIONAL
167		608.4117132	No	OPEN
168		171.9961633	No	ROTATIONAL
169		120.6769493	No	ROTATIONAL
170		198.9368011	No	ROTATIONAL
171		42.3222439	No	OPEN
172		155.987261	No	ROTATIONAL
173		352.1702864	No	ROTATIONAL
174		238.4335958	No	ROTATIONAL
175		44.69168853	No	ROTATIONAL
176		34.72759876	No	ROTATIONAL
177		2.311314039	No	OPEN
178		5.223074532	No	OPEN
179		59.47858391	No	ROTATIONAL
180		7.304944087	No	ROTATIONAL
181		48.96138874	No	OPEN
182		4.692455372	No	NO DISCHARGE
183		4.754444032	No	NO DISCHARGE
184		0.811650167	No	NO DISCHARGE
185		130.465404	No	ROTATIONAL
186		125.2443183	No	OPEN
187		79.12670422	No	OPEN
188		30.67585406	No	OPEN
189		149.772203	No	ROTATIONAL
190		24.68420547	No	OPEN ALL YEAR
191		280.8471295	No	ROTATIONAL
192		24.18544491	No	OPEN
193		1291.882239	No	ROTATIONAL
194		747.7397255	No	ROTATIONAL
195		79.57883098	No	ROTATIONAL

<u>IMPOUND_ID</u>	<u>IMPOUND_TYPE</u>	<u>IMPOUND_ACRES</u>	<u>BURN_UNIT</u>	<u>IMPOUND_SCHEME</u>
196		51.09786652	No	ROTATIONAL
197		11.13014867	No	NO DISCHARGE
198		13.56290545	No	ROTATIONAL
199		100.3673955	No	ROTATIONAL
200		89.2157334	No	NO DISCHARGE
201		187.5349559	No	ROTATIONAL
202		34.24790419	No	ROTATIONAL
203		23.2748784	No	ROTATIONAL
204		125.6240798	No	ROTATIONAL
205		34.59884257	No	ROTATIONAL

Appendix E.2: Impoundment Schedule Table, Year 1996

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
16	Restored	57.35457516	Yes	ROTATIONAL
53	Restored	200.1060827	Yes	ROTATIONAL
65	Restored	92.96730374	Yes	ROTATIONAL
74	Restored	117.6455926	Yes	ROTATIONAL
97	Restored	29.27071838	Yes	ROTATIONAL
17	Restored	108.7201395	Yes	ROTATIONAL
18	Restored	58.7466661	Yes	NO DISCHARGE
62	Restored	188.4115747	Yes	ROTATIONAL
76	Restored	73.64728301	Yes	ROTATIONAL
59	Reconnected	360.2455078	Yes	NO DISCHARGE
60	Reconnected	345.455899	Yes	NO CHANGE
36	Reconnected	372.2568953	Yes	ROTATIONAL
37	Reconnected	184.3465536	Yes	ROTATIONAL
39	Reconnected	65.14867332	Yes	ROTATIONAL
40	Reconnected	909.8476749	Yes	ROTATIONAL
41	Reconnected	323.297889	Yes	ROTATIONAL
46	Reconnected	178.9039382	Yes	ROTATIONAL
	Minimally connected	234.9248581	Yes	ROTATIONAL
47	Reconnected	62.95595214	Yes	ROTATIONAL
51	Reconnected	2851.233065	Yes	ROTATIONAL
54	Reconnected	217.230335	Yes	ROTATIONAL
55	Reconnected	210.4477956	Yes	ROTATIONAL
57	Reconnected	597.1420485	Yes	ROTATIONAL
66	Minimally connected	1462.717873	Yes	ROTATIONAL
86	Minimally connected	825.9194969	No	ROTATIONAL
206	Restored	28.91426667	Yes	ROTATIONAL
30	Island	25.03145753	Yes	NO CHANGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
2	Island	31.55842814	Yes	NO CHANGE
3	Island	27.89431628	Yes	NO CHANGE
4	Island	6.172373233	Yes	NO CHANGE
5	Island	12.64282595	Yes	NO CHANGE
6	Island	10.1070581	Yes	NO CHANGE
7	Island	9.322032316	Yes	NO CHANGE
8	Island	21.33378309	Yes	NO CHANGE
9	Island	25.5148479	Yes	NO CHANGE
10	Island	9.033578063	Yes	NO CHANGE
11	Island	4.785739373	Yes	NO CHANGE
12	Island	33.25702946	Yes	NO CHANGE
13	Island	9.813980197	Yes	NO CHANGE
14	Island	25.69305304	Yes	NO CHANGE
15	Island	3.480254374	Yes	NO CHANGE
19	Unconnected	28.2731969	Yes	NO DISCHARGE
20	Minimally connected	62.67253143	Yes	NO CHANGE
21	Unconnected	78.10550889	Yes	NO DISCHARGE
22	Unconnected	281.4781666	Yes	NO DISCHARGE
23	Reconnected	1091.045013	Yes	NO CHANGE
24	Restored	94.5888105	Yes	NO CHANGE
25	Restored	39.39464135	Yes	NO CHANGE
26	Restored	88.30149383	Yes	NO CHANGE
27	Restored	60.94708375	Yes	NO CHANGE
28	Restored	46.57212365	Yes	NO CHANGE
29	Restored	39.88483648	Yes	NO CHANGE
31	Restored	147.680411	Yes	NO CHANGE
32	Restored	533.3542508	Yes	NO CHANGE
33	Restored	56.32883888	Yes	NO CHANGE
34	Reconnected	717.0758648	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
35	Reconnected	1392.615791	Yes	NO DISCHARGE
38	Reconnected	78.56295407	Yes	ROTATIONAL
42	Reconnected	716.3477411	Yes	NO DISCHARGE
43	Reconnected	573.6842206	Yes	NO CHANGE
44	Reconnected	334.4043302	Yes	NO CHANGE
45	Reconnected	1066.215514	Yes	NO DISCHARGE
48	Reconnected	327.8245235	Yes	NO DISCHARGE
49	Reconnected	64.0400146	Yes	NO CHANGE
50	Reconnected	172.8281067	Yes	NO CHANGE
52	Reconnected	136.6800384	Yes	NO CHANGE
56	Reconnected	121.2461309	Yes	NO CHANGE
58	Reconnected	892.674957	Yes	NO CHANGE
61	Reconnected	898.1866873	Yes	ROTATIONAL
63	Reconnected	403.8367111	Yes	ROTATIONAL
	Minimally connected	38.48603533	Yes	NO DISCHARGE
64	Unconnected	85.6569842	Yes	NO DISCHARGE
67	Unconnected	140.2748512	Yes	NO DISCHARGE
68	Unconnected	162.8046621	Yes	NO DISCHARGE
69	Reconnected	428.3696038	Yes	NO CHANGE
70	Reconnected	182.7325068	Yes	NO CHANGE
	Minimally connected	259.7757411	Yes	NO CHANGE
72	Reconnected	475.6782707	Yes	NO CHANGE
	Minimally connected	259.253337	Yes	NO CHANGE
75	Minimally connected	262.848691	Yes	NO CHANGE
	Minimally connected	357.2923728	Yes	NO CHANGE
77	Unconnected	110.2275132	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
80	Unconnected	50.918591	Yes	NO DISCHARGE
	Minimally connected			
81	connected	94.01146409	Yes	NO CHANGE
82	Reconnected	28.21908431	Yes	NO CHANGE
	Minimally connected			
83	connected	213.2999096	Yes	NO CHANGE
84	Restored	223.1055481	Yes	NO CHANGE
	Minimally connected			
85	connected	461.7895308	Yes	NO CHANGE
	Minimally connected			
87	connected	553.9832268	Yes	NO CHANGE
88	Reconnected	544.2335121	Yes	NO CHANGE
	Minimally connected			
89	connected	578.6759683	Yes	NO CHANGE
90	Unconnected	46.82826726	Yes	NO DISCHARGE
91	Unconnected	102.279086	Yes	NO DISCHARGE
92	Unconnected	221.0668073	Yes	NO DISCHARGE
93	Unconnected	969.7297179	Yes	NO DISCHARGE
94	Unconnected	304.9756492	Yes	NO DISCHARGE
	Minimally connected			
95	connected	139.3679016	Yes	NO CHANGE
	Minimally connected			
96	connected	72.73607287	Yes	NO DISCHARGE
98	Restored	32.55842363	Yes	NO DISCHARGE
99	Restored	85.16406976	Yes	NO CHANGE
100		1551.78582	Yes	NO DISCHARGE
101		512.338504	Yes	NO DISCHARGE
102		142.8657732	No	ROTATIONAL
103		148.2158494	No	ROTATIONAL
104		161.7730076	No	ROTATIONAL
105		50.73049168	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
106		30.12905383	No	OPEN
107		320.6361941	No	ROTATIONAL
108		119.0234589	No	ROTATIONAL
109		151.9472976	No	ROTATIONAL
110		139.7875075	No	ROTATIONAL
111		14.05293246	No	OPEN
112		79.97280532	No	OPEN
113		44.07778285	No	OPEN
114		38.41315988	No	ROTATIONAL
115		90.92531474	No	ROTATIONAL
116		18.74940302	No	ROTATIONAL
117		17.97889284	No	ROTATIONAL
118		20.16131043	No	ROTATIONAL
119		11.79160458	No	ROTATIONAL
120		16.81744028	No	ROTATIONAL
121		25.59109844	No	ROTATIONAL
122		14.02114596	No	ROTATIONAL
123		10.38539126	No	ROTATIONAL
124		39.09362412	No	ROTATIONAL
125		14.97837432	No	ROTATIONAL
126		12.31589485	No	ROTATIONAL
127		10.7936133	No	ROTATIONAL
128		22.38929482	No	OPEN
129		40.66964743	No	ROTATIONAL
130		51.43427715	No	ROTATIONAL
131		142.8082468	No	ROTATIONAL
132		55.40200006	No	OPEN
133		40.59833677	No	ROTATIONAL
134		44.74665931	No	ROTATIONAL
135		21.82857654	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
136		37.58338667	No	ROTATIONAL
137		30.12710364	No	ROTATIONAL
138		9.464703444	No	ROTATIONAL
139		158.3129965	No	ROTATIONAL
140		65.70600475	No	OPEN
141		67.99756694	No	ROTATIONAL
142		150.4278541	No	ROTATIONAL
143		16.93317096	No	ROTATIONAL
144		27.43281772	No	OPEN
145		60.20890049	No	ROTATIONAL
146		157.2585475	No	ROTATIONAL
147		8.304986042	No	ROTATIONAL
148		105.5758742	No	ROTATIONAL
149		16.10325062	No	ROTATIONAL
150		57.44689389	No	ROTATIONAL
151		11.35573005	No	OPEN
152		236.346139	No	OPEN
153		76.07674657	No	ROTATIONAL
154		260.1070141	No	ROTATIONAL
155		159.6946126	No	ROTATIONAL
156		397.5021716	No	ROTATIONAL
157		58.68693163	No	OPEN
158		2.189586014	No	OPEN
159		6.359299995	No	OPEN
160		8.020482826	No	OPEN
161		120.9866588	No	ROTATIONAL
162		4.532255565	No	OPEN
163		49.42378182	No	OPEN
164		12.21115659	No	OPEN
165		8.806459546	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
166		182.5061341	No	ROTATIONAL
167		608.4117132	No	OPEN
168		171.9961633	No	ROTATIONAL
169		120.6769493	No	ROTATIONAL
170		198.9368011	No	ROTATIONAL
171		42.3222439	No	OPEN
172		155.987261	No	ROTATIONAL
173		352.1702864	No	ROTATIONAL
174		238.4335958	No	ROTATIONAL
175		44.69168853	No	ROTATIONAL
176		34.72759876	No	ROTATIONAL
177		2.311314039	No	OPEN
178		5.223074532	No	OPEN
179		59.47858391	No	ROTATIONAL
180		7.304944087	No	ROTATIONAL
181		48.96138874	No	OPEN
182		4.692455372	No	NO DISCHARGE
183		4.754444032	No	NO DISCHARGE
184		0.811650167	No	NO DISCHARGE
185		130.465404	No	ROTATIONAL
186		125.2443183	No	OPEN
187		79.12670422	No	OPEN
188		30.67585406	No	OPEN
189		149.772203	No	ROTATIONAL
190		24.68420547	No	OPEN ALL YEAR
191		280.8471295	No	ROTATIONAL
192		24.18544491	No	OPEN
193		1291.882239	No	ROTATIONAL
194		747.7397255	No	ROTATIONAL
195		79.57883098	No	ROTATIONAL

<u>IMPOUND_ID</u>	<u>IMPOUND_TYPE</u>	<u>IMPOUND_ACRES</u>	<u>BURN_UNIT</u>	<u>IMPOUND_SCHEME</u>
196		51.09786652	No	ROTATIONAL
197		11.13014867	No	NO DISCHARGE
198		13.56290545	No	ROTATIONAL
199		100.3673955	No	ROTATIONAL
200		89.2157334	No	NO DISCHARGE
201		187.5349559	No	ROTATIONAL
202		34.24790419	No	ROTATIONAL
203		23.2748784	No	ROTATIONAL
204		125.6240798	No	ROTATIONAL
205		34.59884257	No	ROTATIONAL

Appendix E.3: Impoundment Schedule Table, Year 1997

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
16	Restored	57.35457516	Yes	ROTATIONAL
53	Restored	200.1060827	Yes	ROTATIONAL
65	Restored	92.96730374	Yes	ROTATIONAL
74	Restored	117.6455926	Yes	ROTATIONAL
97	Restored	29.27071838	Yes	ROTATIONAL
17	Restored	108.7201395	Yes	ROTATIONAL
18	Restored	58.7466661	Yes	NO DISCHARGE
62	Restored	188.4115747	Yes	ROTATIONAL
76	Restored	73.64728301	Yes	ROTATIONAL
59	Reconnected	360.2455078	Yes	NO DISCHARGE
60	Reconnected	345.455899	Yes	NO CHANGE
36	Reconnected	372.2568953	Yes	ROTATIONAL
37	Reconnected	184.3465536	Yes	ROTATIONAL
39	Reconnected	65.14867332	Yes	ROTATIONAL
40	Reconnected	909.8476749	Yes	ROTATIONAL
41	Reconnected	323.297889	Yes	ROTATIONAL
46	Reconnected	178.9039382	Yes	ROTATIONAL
	Minimally connected	234.9248581	Yes	ROTATIONAL
47	Reconnected	62.95595214	Yes	ROTATIONAL
51	Reconnected	2851.233065	Yes	ROTATIONAL
54	Reconnected	217.230335	Yes	ROTATIONAL
55	Reconnected	210.4477956	Yes	ROTATIONAL
57	Reconnected	597.1420485	Yes	ROTATIONAL
66	Minimally connected	1462.717873	Yes	ROTATIONAL
86	Minimally connected	825.9194969	No	ROTATIONAL
206	Restored	28.91426667	Yes	ROTATIONAL
30	Island	25.03145753	Yes	NO CHANGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
2	Island	31.55842814	Yes	NO CHANGE
3	Island	27.89431628	Yes	NO CHANGE
4	Island	6.172373233	Yes	NO CHANGE
5	Island	12.64282595	Yes	NO CHANGE
6	Island	10.1070581	Yes	NO CHANGE
7	Island	9.322032316	Yes	NO CHANGE
8	Island	21.33378309	Yes	NO CHANGE
9	Island	25.5148479	Yes	NO CHANGE
10	Island	9.033578063	Yes	NO CHANGE
11	Island	4.785739373	Yes	NO CHANGE
12	Island	33.25702946	Yes	NO CHANGE
13	Island	9.813980197	Yes	NO CHANGE
14	Island	25.69305304	Yes	NO CHANGE
15	Island	3.480254374	Yes	NO CHANGE
19	Unconnected	28.2731969	Yes	NO DISCHARGE
20	Minimally connected	62.67253143	Yes	NO CHANGE
21	Unconnected	78.10550889	Yes	NO DISCHARGE
22	Unconnected	281.4781666	Yes	NO DISCHARGE
23	Reconnected	1091.045013	Yes	NO CHANGE
24	Restored	94.5888105	Yes	NO CHANGE
25	Restored	39.39464135	Yes	NO CHANGE
26	Restored	88.30149383	Yes	NO CHANGE
27	Restored	60.94708375	Yes	NO CHANGE
28	Restored	46.57212365	Yes	NO CHANGE
29	Restored	39.88483648	Yes	NO CHANGE
31	Restored	147.680411	Yes	NO CHANGE
32	Restored	533.3542508	Yes	NO CHANGE
33	Restored	56.32883888	Yes	NO CHANGE
34	Reconnected	717.0758648	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
35	Reconnected	1392.615791	Yes	NO DISCHARGE
38	Reconnected	78.56295407	Yes	ROTATIONAL
42	Reconnected	716.3477411	Yes	NO DISCHARGE
43	Reconnected	573.6842206	Yes	NO CHANGE
44	Reconnected	334.4043302	Yes	NO CHANGE
45	Reconnected	1066.215514	Yes	NO DISCHARGE
48	Reconnected	327.8245235	Yes	NO DISCHARGE
49	Reconnected	64.0400146	Yes	NO CHANGE
50	Reconnected	172.8281067	Yes	NO CHANGE
52	Reconnected	136.6800384	Yes	NO CHANGE
56	Reconnected	121.2461309	Yes	NO CHANGE
58	Reconnected	892.674957	Yes	NO CHANGE
61	Reconnected	898.1866873	Yes	ROTATIONAL
63	Reconnected	403.8367111	Yes	ROTATIONAL
	Minimally connected	38.48603533	Yes	NO DISCHARGE
64	Unconnected	85.6569842	Yes	NO DISCHARGE
67	Unconnected	140.2748512	Yes	NO DISCHARGE
68	Unconnected	162.8046621	Yes	NO DISCHARGE
69	Reconnected	428.3696038	Yes	NO CHANGE
70	Reconnected	182.7325068	Yes	NO CHANGE
	Minimally connected	259.7757411	Yes	NO CHANGE
72	Reconnected	475.6782707	Yes	NO CHANGE
	Minimally connected	259.253337	Yes	NO CHANGE
75	Minimally connected	262.848691	Yes	NO CHANGE
	Minimally connected	357.2923728	Yes	NO CHANGE
77	Unconnected	110.2275132	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
80	Unconnected Minimally connected	50.918591 94.01146409	Yes	NO DISCHARGE NO CHANGE
82	Reconnected Minimally connected	28.21908431 213.2999096	Yes	NO CHANGE
84	Restored Minimally connected	223.1055481 461.7895308	Yes	NO CHANGE
85	Minimally connected	553.9832268	Yes	NO CHANGE
87	Reconnected Minimally connected	544.2335121 578.6759683	Yes	NO CHANGE
88	Minimally connected	46.82826726	Yes	NO CHANGE
89	Unconnected	102.279086	Yes	NO DISCHARGE
90	Unconnected	221.0668073	Yes	NO DISCHARGE
91	Unconnected	969.7297179	Yes	NO DISCHARGE
92	Unconnected	304.9756492	Yes	NO DISCHARGE
93	Minimally connected	139.3679016	Yes	NO CHANGE
94	Unconnected Minimally connected	72.73607287	Yes	NO DISCHARGE
95	Restored	32.55842363	Yes	NO DISCHARGE
96	Restored	85.16406976	Yes	NO CHANGE
97		1551.78582	Yes	NO DISCHARGE
98		512.338504	Yes	NO DISCHARGE
99		142.8657732	No	ROTATIONAL
100		148.2158494	No	ROTATIONAL
101		161.7730076	No	ROTATIONAL
102		50.73049168	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
106		30.12905383	No	OPEN
107		320.6361941	No	ROTATIONAL
108		119.0234589	No	ROTATIONAL
109		151.9472976	No	ROTATIONAL
110		139.7875075	No	ROTATIONAL
111		14.05293246	No	OPEN
112		79.97280532	No	OPEN
113		44.07778285	No	OPEN
114		38.41315988	No	ROTATIONAL
115		90.92531474	No	ROTATIONAL
116		18.74940302	No	ROTATIONAL
117		17.97889284	No	ROTATIONAL
118		20.16131043	No	ROTATIONAL
119		11.79160458	No	ROTATIONAL
120		16.81744028	No	ROTATIONAL
121		25.59109844	No	ROTATIONAL
122		14.02114596	No	ROTATIONAL
123		10.38539126	No	ROTATIONAL
124		39.09362412	No	ROTATIONAL
125		14.97837432	No	ROTATIONAL
126		12.31589485	No	ROTATIONAL
127		10.7936133	No	ROTATIONAL
128		22.38929482	No	OPEN
129		40.66964743	No	ROTATIONAL
130		51.43427715	No	ROTATIONAL
131		142.8082468	No	ROTATIONAL
132		55.40200006	No	OPEN
133		40.59833677	No	ROTATIONAL
134		44.74665931	No	ROTATIONAL
135		21.82857654	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
136		37.58338667	No	ROTATIONAL
137		30.12710364	No	ROTATIONAL
138		9.464703444	No	ROTATIONAL
139		158.3129965	No	ROTATIONAL
140		65.70600475	No	OPEN
141		67.99756694	No	ROTATIONAL
142		150.4278541	No	ROTATIONAL
143		16.93317096	No	ROTATIONAL
144		27.43281772	No	OPEN
145		60.20890049	No	ROTATIONAL
146		157.2585475	No	ROTATIONAL
147		8.304986042	No	ROTATIONAL
148		105.5758742	No	ROTATIONAL
149		16.10325062	No	ROTATIONAL
150		57.44689389	No	ROTATIONAL
151		11.35573005	No	OPEN
152		236.346139	No	OPEN
153		76.07674657	No	ROTATIONAL
154		260.1070141	No	ROTATIONAL
155		159.6946126	No	ROTATIONAL
156		397.5021716	No	ROTATIONAL
157		58.68693163	No	OPEN
158		2.189586014	No	OPEN
159		6.359299995	No	OPEN
160		8.020482826	No	OPEN
161		120.9866588	No	ROTATIONAL
162		4.532255565	No	OPEN
163		49.42378182	No	OPEN
164		12.21115659	No	OPEN
165		8.806459546	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
166		182.5061341	No	ROTATIONAL
167		608.4117132	No	OPEN
168		171.9961633	No	ROTATIONAL
169		120.6769493	No	ROTATIONAL
170		198.9368011	No	ROTATIONAL
171		42.3222439	No	OPEN
172		155.987261	No	ROTATIONAL
173		352.1702864	No	ROTATIONAL
174		238.4335958	No	ROTATIONAL
175		44.69168853	No	ROTATIONAL
176		34.72759876	No	ROTATIONAL
177		2.311314039	No	OPEN
178		5.223074532	No	OPEN
179		59.47858391	No	ROTATIONAL
180		7.304944087	No	ROTATIONAL
181		48.96138874	No	OPEN
182		4.692455372	No	NO DISCHARGE
183		4.754444032	No	NO DISCHARGE
184		0.811650167	No	NO DISCHARGE
185		130.465404	No	ROTATIONAL
186		125.2443183	No	OPEN
187		79.12670422	No	OPEN
188		30.67585406	No	OPEN
189		149.772203	No	ROTATIONAL
190		24.68420547	No	OPEN ALL YEAR
191		280.8471295	No	ROTATIONAL
192		24.18544491	No	OPEN
193		1291.882239	No	ROTATIONAL
194		747.7397255	No	ROTATIONAL
195		79.57883098	No	ROTATIONAL

<u>IMPOUND_ID</u>	<u>IMPOUND_TYPE</u>	<u>IMPOUND_ACRES</u>	<u>BURN_UNIT</u>	<u>IMPOUND_SCHEME</u>
196		51.09786652	No	ROTATIONAL
197		11.13014867	No	NO DISCHARGE
198		13.56290545	No	ROTATIONAL
199		100.3673955	No	ROTATIONAL
200		89.2157334	No	NO DISCHARGE
201		187.5349559	No	ROTATIONAL
202		34.24790419	No	ROTATIONAL
203		23.2748784	No	ROTATIONAL
204		125.6240798	No	ROTATIONAL
205		34.59884257	No	ROTATIONAL

Appendix E.4: Impoundment Schedule Table, Year 1998

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
16	Restored	57.35457516	Yes	ROTATIONAL
53	Restored	200.1060827	Yes	ROTATIONAL
65	Restored	92.96730374	Yes	ROTATIONAL
74	Restored	117.6455926	Yes	ROTATIONAL
97	Restored	29.27071838	Yes	ROTATIONAL
17	Restored	108.7201395	Yes	ROTATIONAL
18	Restored	58.7466661	Yes	NO DISCHARGE
62	Restored	188.4115747	Yes	ROTATIONAL
76	Restored	73.64728301	Yes	ROTATIONAL
59	Reconnected	360.2455078	Yes	NO DISCHARGE
60	Reconnected	345.455899	Yes	NO CHANGE
36	Reconnected	372.2568953	Yes	ROTATIONAL
37	Reconnected	184.3465536	Yes	ROTATIONAL
39	Reconnected	65.14867332	Yes	ROTATIONAL
40	Reconnected	909.8476749	Yes	ROTATIONAL
41	Reconnected	323.297889	Yes	ROTATIONAL
46	Reconnected	178.9039382	Yes	ROTATIONAL
	Minimally connected	234.9248581	Yes	ROTATIONAL
47	Reconnected	62.95595214	Yes	ROTATIONAL
51	Reconnected	2851.233065	Yes	ROTATIONAL
54	Reconnected	217.230335	Yes	ROTATIONAL
55	Reconnected	210.4477956	Yes	ROTATIONAL
57	Reconnected	597.1420485	Yes	ROTATIONAL
66	Minimally connected	1462.717873	Yes	ROTATIONAL
86	Minimally connected	825.9194969	No	ROTATIONAL
206	Restored	28.91426667	Yes	ROTATIONAL
30	Island	25.03145753	Yes	NO CHANGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
2	Island	31.55842814	Yes	NO CHANGE
3	Island	27.89431628	Yes	NO CHANGE
4	Island	6.172373233	Yes	NO CHANGE
5	Island	12.64282595	Yes	NO CHANGE
6	Island	10.1070581	Yes	NO CHANGE
7	Island	9.322032316	Yes	NO CHANGE
8	Island	21.33378309	Yes	NO CHANGE
9	Island	25.5148479	Yes	NO CHANGE
10	Island	9.033578063	Yes	NO CHANGE
11	Island	4.785739373	Yes	NO CHANGE
12	Island	33.25702946	Yes	NO CHANGE
13	Island	9.813980197	Yes	NO CHANGE
14	Island	25.69305304	Yes	NO CHANGE
15	Island	3.480254374	Yes	NO CHANGE
19	Unconnected	28.2731969	Yes	NO DISCHARGE
20	Minimally connected	62.67253143	Yes	NO CHANGE
21	Unconnected	78.10550889	Yes	NO DISCHARGE
22	Unconnected	281.4781666	Yes	NO DISCHARGE
23	Reconnected	1091.045013	Yes	NO CHANGE
24	Restored	94.5888105	Yes	NO CHANGE
25	Restored	39.39464135	Yes	NO CHANGE
26	Restored	88.30149383	Yes	NO CHANGE
27	Restored	60.94708375	Yes	NO CHANGE
28	Restored	46.57212365	Yes	NO CHANGE
29	Restored	39.88483648	Yes	NO CHANGE
31	Restored	147.680411	Yes	NO CHANGE
32	Restored	533.3542508	Yes	NO CHANGE
33	Restored	56.32883888	Yes	NO CHANGE
34	Reconnected	717.0758648	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
35	Reconnected	1392.615791	Yes	NO DISCHARGE
38	Reconnected	78.56295407	Yes	ROTATIONAL
42	Reconnected	716.3477411	Yes	NO DISCHARGE
43	Reconnected	573.6842206	Yes	NO CHANGE
44	Reconnected	334.4043302	Yes	NO CHANGE
45	Reconnected	1066.215514	Yes	NO DISCHARGE
48	Reconnected	327.8245235	Yes	NO DISCHARGE
49	Reconnected	64.0400146	Yes	NO CHANGE
50	Reconnected	172.8281067	Yes	NO CHANGE
52	Reconnected	136.6800384	Yes	NO CHANGE
56	Reconnected	121.2461309	Yes	NO CHANGE
58	Reconnected	892.674957	Yes	NO CHANGE
61	Reconnected	898.1866873	Yes	ROTATIONAL
63	Reconnected	403.8367111	Yes	ROTATIONAL
	Minimally connected	38.48603533	Yes	NO DISCHARGE
64	Unconnected	85.6569842	Yes	NO DISCHARGE
67	Unconnected	140.2748512	Yes	NO DISCHARGE
68	Unconnected	162.8046621	Yes	NO DISCHARGE
69	Reconnected	428.3696038	Yes	NO CHANGE
70	Reconnected	182.7325068	Yes	NO CHANGE
	Minimally connected	259.7757411	Yes	NO CHANGE
72	Reconnected	475.6782707	Yes	NO CHANGE
	Minimally connected	259.253337	Yes	NO CHANGE
75	Minimally connected	262.848691	Yes	NO CHANGE
	Minimally connected	357.2923728	Yes	NO CHANGE
77	Unconnected	110.2275132	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
80	Unconnected Minimally connected	50.918591 94.01146409	Yes	NO DISCHARGE NO CHANGE
82	Reconnected Minimally connected	28.21908431 213.2999096	Yes	NO CHANGE
84	Restored Minimally connected	223.1055481 461.7895308	Yes	NO CHANGE
85	Minimally connected	553.9832268	Yes	NO CHANGE
87	Reconnected Minimally connected	544.2335121 578.6759683	Yes	NO CHANGE
88	Minimally connected	46.82826726	Yes	NO CHANGE
89	Unconnected	102.279086	Yes	NO DISCHARGE
90	Unconnected	221.0668073	Yes	NO DISCHARGE
91	Unconnected	969.7297179	Yes	NO DISCHARGE
92	Unconnected	304.9756492	Yes	NO DISCHARGE
93	Minimally connected	139.3679016	Yes	NO CHANGE
94	Unconnected Minimally connected	72.73607287	Yes	NO DISCHARGE
95	Restored	32.55842363	Yes	NO DISCHARGE
96	Restored	85.16406976	Yes	NO CHANGE
97		1551.78582	Yes	NO DISCHARGE
98		512.338504	Yes	NO DISCHARGE
99		142.8657732	No	ROTATIONAL
100		148.2158494	No	ROTATIONAL
101		161.7730076	No	ROTATIONAL
102		50.73049168	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
106		30.12905383	No	OPEN
107		320.6361941	No	ROTATIONAL
108		119.0234589	No	ROTATIONAL
109		151.9472976	No	ROTATIONAL
110		139.7875075	No	ROTATIONAL
111		14.05293246	No	OPEN
112		79.97280532	No	OPEN
113		44.07778285	No	OPEN
114		38.41315988	No	ROTATIONAL
115		90.92531474	No	ROTATIONAL
116		18.74940302	No	ROTATIONAL
117		17.97889284	No	ROTATIONAL
118		20.16131043	No	ROTATIONAL
119		11.79160458	No	ROTATIONAL
120		16.81744028	No	ROTATIONAL
121		25.59109844	No	ROTATIONAL
122		14.02114596	No	ROTATIONAL
123		10.38539126	No	ROTATIONAL
124		39.09362412	No	ROTATIONAL
125		14.97837432	No	ROTATIONAL
126		12.31589485	No	ROTATIONAL
127		10.7936133	No	ROTATIONAL
128		22.38929482	No	OPEN
129		40.66964743	No	ROTATIONAL
130		51.43427715	No	ROTATIONAL
131		142.8082468	No	ROTATIONAL
132		55.40200006	No	OPEN
133		40.59833677	No	ROTATIONAL
134		44.74665931	No	ROTATIONAL
135		21.82857654	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
136		37.58338667	No	ROTATIONAL
137		30.12710364	No	ROTATIONAL
138		9.464703444	No	ROTATIONAL
139		158.3129965	No	ROTATIONAL
140		65.70600475	No	OPEN
141		67.99756694	No	ROTATIONAL
142		150.4278541	No	ROTATIONAL
143		16.93317096	No	ROTATIONAL
144		27.43281772	No	OPEN
145		60.20890049	No	ROTATIONAL
146		157.2585475	No	ROTATIONAL
147		8.304986042	No	ROTATIONAL
148		105.5758742	No	ROTATIONAL
149		16.10325062	No	ROTATIONAL
150		57.44689389	No	ROTATIONAL
151		11.35573005	No	OPEN
152		236.346139	No	OPEN
153		76.07674657	No	ROTATIONAL
154		260.1070141	No	ROTATIONAL
155		159.6946126	No	ROTATIONAL
156		397.5021716	No	ROTATIONAL
157		58.68693163	No	OPEN
158		2.189586014	No	OPEN
159		6.359299995	No	OPEN
160		8.020482826	No	OPEN
161		120.9866588	No	ROTATIONAL
162		4.532255565	No	OPEN
163		49.42378182	No	OPEN
164		12.21115659	No	OPEN
165		8.806459546	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
166		182.5061341	No	ROTATIONAL
167		608.4117132	No	OPEN
168		171.9961633	No	ROTATIONAL
169		120.6769493	No	ROTATIONAL
170		198.9368011	No	ROTATIONAL
171		42.3222439	No	OPEN
172		155.987261	No	ROTATIONAL
173		352.1702864	No	ROTATIONAL
174		238.4335958	No	ROTATIONAL
175		44.69168853	No	ROTATIONAL
176		34.72759876	No	ROTATIONAL
177		2.311314039	No	OPEN
178		5.223074532	No	OPEN
179		59.47858391	No	ROTATIONAL
180		7.304944087	No	ROTATIONAL
181		48.96138874	No	OPEN
182		4.692455372	No	NO DISCHARGE
183		4.754444032	No	NO DISCHARGE
184		0.811650167	No	NO DISCHARGE
185		130.465404	No	ROTATIONAL
186		125.2443183	No	OPEN
187		79.12670422	No	OPEN
188		30.67585406	No	OPEN
189		149.772203	No	ROTATIONAL
190		24.68420547	No	OPEN ALL YEAR
191		280.8471295	No	ROTATIONAL
192		24.18544491	No	OPEN
193		1291.882239	No	ROTATIONAL
194		747.7397255	No	ROTATIONAL
195		79.57883098	No	ROTATIONAL

<u>IMPOUND_ID</u>	<u>IMPOUND_TYPE</u>	<u>IMPOUND_ACRES</u>	<u>BURN_UNIT</u>	<u>IMPOUND_SCHEME</u>
196		51.09786652	No	ROTATIONAL
197		11.13014867	No	NO DISCHARGE
198		13.56290545	No	ROTATIONAL
199		100.3673955	No	ROTATIONAL
200		89.2157334	No	NO DISCHARGE
201		187.5349559	No	ROTATIONAL
202		34.24790419	No	ROTATIONAL
203		23.2748784	No	ROTATIONAL
204		125.6240798	No	ROTATIONAL
205		34.59884257	No	ROTATIONAL

Appendix E.5: Impoundment Schedule Table, Year 1999

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
16	Restored	57.35457516	Yes	ROTATIONAL
53	Restored	200.1060827	Yes	ROTATIONAL
65	Restored	92.96730374	Yes	ROTATIONAL
74	Restored	117.6455926	Yes	ROTATIONAL
97	Restored	29.27071838	Yes	ROTATIONAL
17	Restored	108.7201395	Yes	ROTATIONAL
18	Restored	58.7466661	Yes	NO DISCHARGE
62	Restored	188.4115747	Yes	ROTATIONAL
76	Restored	73.64728301	Yes	ROTATIONAL
59	Reconnected	360.2455078	Yes	NO DISCHARGE
60	Reconnected	345.455899	Yes	NO CHANGE
36	Reconnected	372.2568953	Yes	ROTATIONAL
37	Reconnected	184.3465536	Yes	ROTATIONAL
39	Reconnected	65.14867332	Yes	ROTATIONAL
40	Reconnected	909.8476749	Yes	ROTATIONAL
41	Reconnected	323.297889	Yes	ROTATIONAL
46	Reconnected	178.9039382	Yes	ROTATIONAL
	Minimally connected	234.9248581	Yes	ROTATIONAL
47	Reconnected	62.95595214	Yes	ROTATIONAL
51	Reconnected	2851.233065	Yes	ROTATIONAL
54	Reconnected	217.230335	Yes	ROTATIONAL
55	Reconnected	210.4477956	Yes	ROTATIONAL
57	Reconnected	597.1420485	Yes	ROTATIONAL
66	Minimally connected	1462.717873	Yes	ROTATIONAL
86	Minimally connected	825.9194969	No	ROTATIONAL
206	Restored	28.91426667	Yes	NO CHANGE
30	Island	25.03145753	Yes	NO CHANGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
2	Island	31.55842814	Yes	NO CHANGE
3	Island	27.89431628	Yes	NO CHANGE
4	Island	6.172373233	Yes	NO CHANGE
5	Island	12.64282595	Yes	NO CHANGE
6	Island	10.1070581	Yes	NO CHANGE
7	Island	9.322032316	Yes	NO CHANGE
8	Island	21.33378309	Yes	NO CHANGE
9	Island	25.5148479	Yes	NO CHANGE
10	Island	9.033578063	Yes	NO CHANGE
11	Island	4.785739373	Yes	NO CHANGE
12	Island	33.25702946	Yes	NO CHANGE
13	Island	9.813980197	Yes	NO CHANGE
14	Island	25.69305304	Yes	NO CHANGE
15	Island	3.480254374	Yes	NO CHANGE
19	Unconnected	28.2731969	Yes	NO DISCHARGE
20	Minimally connected	62.67253143	Yes	NO CHANGE
21	Unconnected	78.10550889	Yes	NO DISCHARGE
22	Unconnected	281.4781666	Yes	NO DISCHARGE
23	Reconnected	1091.045013	Yes	NO CHANGE
24	Restored	94.5888105	Yes	NO CHANGE
25	Restored	39.39464135	Yes	NO CHANGE
26	Restored	88.30149383	Yes	NO CHANGE
27	Restored	60.94708375	Yes	NO CHANGE
28	Restored	46.57212365	Yes	NO CHANGE
29	Restored	39.88483648	Yes	NO CHANGE
31	Restored	147.680411	Yes	NO CHANGE
32	Restored	533.3542508	Yes	NO CHANGE
33	Restored	56.32883888	Yes	NO CHANGE
34	Reconnected	717.0758648	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
35	Reconnected	1392.615791	Yes	NO DISCHARGE
38	Reconnected	78.56295407	Yes	ROTATIONAL
42	Reconnected	716.3477411	Yes	NO DISCHARGE
43	Reconnected	573.6842206	Yes	NO CHANGE
44	Reconnected	334.4043302	Yes	NO CHANGE
45	Reconnected	1066.215514	Yes	NO DISCHARGE
48	Reconnected	327.8245235	Yes	NO DISCHARGE
49	Reconnected	64.0400146	Yes	NO CHANGE
50	Reconnected	172.8281067	Yes	NO CHANGE
52	Reconnected	136.6800384	Yes	NO CHANGE
56	Reconnected	121.2461309	Yes	NO CHANGE
58	Reconnected	892.674957	Yes	NO CHANGE
61	Reconnected	898.1866873	Yes	ROTATIONAL
63	Reconnected	403.8367111	Yes	ROTATIONAL
	Minimally connected	38.48603533	Yes	NO DISCHARGE
64	Unconnected	85.6569842	Yes	NO DISCHARGE
67	Unconnected	140.2748512	Yes	NO DISCHARGE
68	Unconnected	162.8046621	Yes	NO DISCHARGE
69	Reconnected	428.3696038	Yes	NO CHANGE
70	Reconnected	182.7325068	Yes	NO CHANGE
	Minimally connected	259.7757411	Yes	NO CHANGE
72	Reconnected	475.6782707	Yes	NO CHANGE
	Minimally connected	259.253337	Yes	NO CHANGE
75	Minimally connected	262.848691	Yes	NO CHANGE
	Minimally connected	357.2923728	Yes	NO CHANGE
77	Unconnected	110.2275132	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
80	Unconnected Minimally connected	50.918591 94.01146409	Yes	NO DISCHARGE NO CHANGE
82	Reconnected Minimally connected	28.21908431 213.2999096	Yes	NO CHANGE
84	Restored Minimally connected	223.1055481 461.7895308	Yes	NO CHANGE
85	Minimally connected	553.9832268	Yes	NO CHANGE
87	Reconnected Minimally connected	544.2335121 578.6759683	Yes	NO CHANGE
88	Minimally connected	46.82826726	Yes	NO CHANGE
89	Unconnected	102.279086	Yes	NO DISCHARGE
90	Unconnected	221.0668073	Yes	NO DISCHARGE
91	Unconnected	969.7297179	Yes	NO DISCHARGE
92	Unconnected	304.9756492	Yes	NO DISCHARGE
93	Minimally connected	139.3679016	Yes	NO CHANGE
94	Unconnected Minimally connected	72.73607287	Yes	NO DISCHARGE
95	Restored	32.55842363	Yes	NO DISCHARGE
96	Restored	85.16406976	Yes	NO CHANGE
97		1551.78582	Yes	NO DISCHARGE
98		512.338504	Yes	NO DISCHARGE
99		142.8657732	No	ROTATIONAL
100		148.2158494	No	ROTATIONAL
101		161.7730076	No	ROTATIONAL
102		50.73049168	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
106		30.12905383	No	OPEN
107		320.6361941	No	ROTATIONAL
108		119.0234589	No	ROTATIONAL
109		151.9472976	No	ROTATIONAL
110		139.7875075	No	ROTATIONAL
111		14.05293246	No	OPEN
112		79.97280532	No	OPEN
113		44.07778285	No	OPEN
114		38.41315988	No	ROTATIONAL
115		90.92531474	No	ROTATIONAL
116		18.74940302	No	ROTATIONAL
117		17.97889284	No	ROTATIONAL
118		20.16131043	No	ROTATIONAL
119		11.79160458	No	ROTATIONAL
120		16.81744028	No	ROTATIONAL
121		25.59109844	No	ROTATIONAL
122		14.02114596	No	ROTATIONAL
123		10.38539126	No	ROTATIONAL
124		39.09362412	No	ROTATIONAL
125		14.97837432	No	ROTATIONAL
126		12.31589485	No	ROTATIONAL
127		10.7936133	No	ROTATIONAL
128		22.38929482	No	OPEN
129		40.66964743	No	ROTATIONAL
130		51.43427715	No	ROTATIONAL
131		142.8082468	No	ROTATIONAL
132		55.40200006	No	OPEN
133		40.59833677	No	ROTATIONAL
134		44.74665931	No	ROTATIONAL
135		21.82857654	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
136		37.58338667	No	ROTATIONAL
137		30.12710364	No	ROTATIONAL
138		9.464703444	No	ROTATIONAL
139		158.3129965	No	ROTATIONAL
140		65.70600475	No	OPEN
141		67.99756694	No	ROTATIONAL
142		150.4278541	No	ROTATIONAL
143		16.93317096	No	ROTATIONAL
144		27.43281772	No	OPEN
145		60.20890049	No	ROTATIONAL
146		157.2585475	No	ROTATIONAL
147		8.304986042	No	ROTATIONAL
148		105.5758742	No	ROTATIONAL
149		16.10325062	No	ROTATIONAL
150		57.44689389	No	ROTATIONAL
151		11.35573005	No	OPEN
152		236.346139	No	OPEN
153		76.07674657	No	ROTATIONAL
154		260.1070141	No	ROTATIONAL
155		159.6946126	No	ROTATIONAL
156		397.5021716	No	ROTATIONAL
157		58.68693163	No	OPEN
158		2.189586014	No	OPEN
159		6.359299995	No	OPEN
160		8.020482826	No	OPEN
161		120.9866588	No	ROTATIONAL
162		4.532255565	No	OPEN
163		49.42378182	No	OPEN
164		12.21115659	No	OPEN
165		8.806459546	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
166		182.5061341	No	ROTATIONAL
167		608.4117132	No	OPEN
168		171.9961633	No	ROTATIONAL
169		120.6769493	No	ROTATIONAL
170		198.9368011	No	ROTATIONAL
171		42.3222439	No	OPEN
172		155.987261	No	ROTATIONAL
173		352.1702864	No	ROTATIONAL
174		238.4335958	No	ROTATIONAL
175		44.69168853	No	ROTATIONAL
176		34.72759876	No	ROTATIONAL
177		2.311314039	No	OPEN
178		5.223074532	No	OPEN
179		59.47858391	No	ROTATIONAL
180		7.304944087	No	ROTATIONAL
181		48.96138874	No	OPEN
182		4.692455372	No	NO DISCHARGE
183		4.754444032	No	NO DISCHARGE
184		0.811650167	No	NO DISCHARGE
185		130.465404	No	ROTATIONAL
186		125.2443183	No	OPEN
187		79.12670422	No	OPEN
188		30.67585406	No	OPEN
189		149.772203	No	ROTATIONAL
190		24.68420547	No	OPEN ALL YEAR
191		280.8471295	No	ROTATIONAL
192		24.18544491	No	OPEN
193		1291.882239	No	ROTATIONAL
194		747.7397255	No	ROTATIONAL
195		79.57883098	No	ROTATIONAL

<u>IMPOUND_ID</u>	<u>IMPOUND_TYPE</u>	<u>IMPOUND_ACRES</u>	<u>BURN_UNIT</u>	<u>IMPOUND_SCHEME</u>
196		51.09786652	No	ROTATIONAL
197		11.13014867	No	NO DISCHARGE
198		13.56290545	No	ROTATIONAL
199		100.3673955	No	ROTATIONAL
200		89.2157334	No	NO DISCHARGE
201		187.5349559	No	ROTATIONAL
202		34.24790419	No	ROTATIONAL
203		23.2748784	No	ROTATIONAL
204		125.6240798	No	ROTATIONAL
205		34.59884257	No	ROTATIONAL

Appendix E.6: Impoundment Schedule Table, Year 2000

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
16	Restored	57.35457516	Yes	ROTATIONAL
53	Restored	200.1060827	Yes	ROTATIONAL
65	Restored	92.96730374	Yes	ROTATIONAL
74	Restored	117.6455926	Yes	ROTATIONAL
97	Restored	29.27071838	Yes	ROTATIONAL
17	Restored	108.7201395	Yes	ROTATIONAL
18	Restored	58.7466661	Yes	NO DISCHARGE
62	Restored	188.4115747	Yes	ROTATIONAL
76	Restored	73.64728301	Yes	ROTATIONAL
59	Reconnected	360.2455078	Yes	NO DISCHARGE
60	Reconnected	345.455899	Yes	NO CHANGE
36	Reconnected	372.2568953	Yes	ROTATIONAL
37	Reconnected	184.3465536	Yes	ROTATIONAL
39	Reconnected	65.14867332	Yes	ROTATIONAL
40	Reconnected	909.8476749	Yes	ROTATIONAL
41	Reconnected	323.297889	Yes	ROTATIONAL
46	Reconnected	178.9039382	Yes	ROTATIONAL
	Minimally connected	234.9248581	Yes	ROTATIONAL
47	Reconnected	62.95595214	Yes	ROTATIONAL
51	Reconnected	2851.233065	Yes	ROTATIONAL
54	Reconnected	217.230335	Yes	ROTATIONAL
55	Reconnected	210.4477956	Yes	ROTATIONAL
57	Reconnected	597.1420485	Yes	ROTATIONAL
66	Minimally connected	1462.717873	Yes	ROTATIONAL
86	Minimally connected	825.9194969	No	ROTATIONAL
206	Restored	28.91426667	Yes	NO CHANGE
30	Island	25.03145753	Yes	NO CHANGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
2	Island	31.55842814	Yes	NO CHANGE
3	Island	27.89431628	Yes	NO CHANGE
4	Island	6.172373233	Yes	NO CHANGE
5	Island	12.64282595	Yes	NO CHANGE
6	Island	10.1070581	Yes	NO CHANGE
7	Island	9.322032316	Yes	NO CHANGE
8	Island	21.33378309	Yes	NO CHANGE
9	Island	25.5148479	Yes	NO CHANGE
10	Island	9.033578063	Yes	NO CHANGE
11	Island	4.785739373	Yes	NO CHANGE
12	Island	33.25702946	Yes	NO CHANGE
13	Island	9.813980197	Yes	NO CHANGE
14	Island	25.69305304	Yes	NO CHANGE
15	Island	3.480254374	Yes	NO CHANGE
19	Unconnected	28.2731969	Yes	NO DISCHARGE
20	Minimally connected	62.67253143	Yes	NO CHANGE
21	Unconnected	78.10550889	Yes	NO DISCHARGE
22	Unconnected	281.4781666	Yes	NO DISCHARGE
23	Reconnected	1091.045013	Yes	NO CHANGE
24	Restored	94.5888105	Yes	NO CHANGE
25	Restored	39.39464135	Yes	NO CHANGE
26	Restored	88.30149383	Yes	NO CHANGE
27	Restored	60.94708375	Yes	NO CHANGE
28	Restored	46.57212365	Yes	NO CHANGE
29	Restored	39.88483648	Yes	NO CHANGE
31	Restored	147.680411	Yes	NO CHANGE
32	Restored	533.3542508	Yes	NO CHANGE
33	Restored	56.32883888	Yes	NO CHANGE
34	Reconnected	717.0758648	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
35	Reconnected	1392.615791	Yes	NO DISCHARGE
38	Reconnected	78.56295407	Yes	ROTATIONAL
42	Reconnected	716.3477411	Yes	NO DISCHARGE
43	Reconnected	573.6842206	Yes	NO CHANGE
44	Reconnected	334.4043302	Yes	NO CHANGE
45	Reconnected	1066.215514	Yes	NO DISCHARGE
48	Reconnected	327.8245235	Yes	NO DISCHARGE
49	Reconnected	64.0400146	Yes	NO CHANGE
50	Reconnected	172.8281067	Yes	NO CHANGE
52	Reconnected	136.6800384	Yes	NO CHANGE
56	Reconnected	121.2461309	Yes	NO CHANGE
58	Reconnected	892.674957	Yes	NO CHANGE
61	Reconnected	898.1866873	Yes	ROTATIONAL
63	Reconnected	403.8367111	Yes	ROTATIONAL
	Minimally connected	38.48603533	Yes	NO DISCHARGE
64	Unconnected	85.6569842	Yes	NO DISCHARGE
67	Unconnected	140.2748512	Yes	NO DISCHARGE
68	Unconnected	162.8046621	Yes	NO DISCHARGE
69	Reconnected	428.3696038	Yes	NO CHANGE
70	Reconnected	182.7325068	Yes	NO CHANGE
	Minimally connected	259.7757411	Yes	NO CHANGE
72	Reconnected	475.6782707	Yes	NO CHANGE
	Minimally connected	259.253337	Yes	NO CHANGE
75	Minimally connected	262.848691	Yes	NO CHANGE
	Minimally connected	357.2923728	Yes	NO CHANGE
77	Unconnected	110.2275132	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
80	Unconnected Minimally connected	50.918591 94.01146409	Yes	NO DISCHARGE NO CHANGE
82	Reconnected Minimally connected	28.21908431 213.2999096	Yes	NO CHANGE
84	Restored Minimally connected	223.1055481 461.7895308	Yes	NO CHANGE
85	Minimally connected	553.9832268	Yes	NO CHANGE
87	Reconnected Minimally connected	544.2335121 578.6759683	Yes	NO CHANGE
88	Minimally connected	46.82826726	Yes	NO CHANGE
89	Unconnected	102.279086	Yes	NO DISCHARGE
90	Unconnected	221.0668073	Yes	NO DISCHARGE
91	Unconnected	969.7297179	Yes	NO DISCHARGE
92	Unconnected	304.9756492	Yes	NO DISCHARGE
93	Minimally connected	139.3679016	Yes	NO CHANGE
94	Unconnected Minimally connected	72.73607287	Yes	NO DISCHARGE
95	Restored	32.55842363	Yes	NO DISCHARGE
96	Restored	85.16406976	Yes	NO CHANGE
97		1551.78582	Yes	NO DISCHARGE
98		512.338504	Yes	NO DISCHARGE
99		142.8657732	No	ROTATIONAL
100		148.2158494	No	ROTATIONAL
101		161.7730076	No	ROTATIONAL
102		50.73049168	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
106		30.12905383	No	OPEN
107		320.6361941	No	ROTATIONAL
108		119.0234589	No	ROTATIONAL
109		151.9472976	No	ROTATIONAL
110		139.7875075	No	ROTATIONAL
111		14.05293246	No	OPEN
112		79.97280532	No	OPEN
113		44.07778285	No	OPEN
114		38.41315988	No	ROTATIONAL
115		90.92531474	No	ROTATIONAL
116		18.74940302	No	ROTATIONAL
117		17.97889284	No	ROTATIONAL
118		20.16131043	No	ROTATIONAL
119		11.79160458	No	ROTATIONAL
120		16.81744028	No	ROTATIONAL
121		25.59109844	No	ROTATIONAL
122		14.02114596	No	ROTATIONAL
123		10.38539126	No	ROTATIONAL
124		39.09362412	No	ROTATIONAL
125		14.97837432	No	ROTATIONAL
126		12.31589485	No	ROTATIONAL
127		10.7936133	No	ROTATIONAL
128		22.38929482	No	OPEN
129		40.66964743	No	ROTATIONAL
130		51.43427715	No	ROTATIONAL
131		142.8082468	No	ROTATIONAL
132		55.40200006	No	OPEN
133		40.59833677	No	ROTATIONAL
134		44.74665931	No	ROTATIONAL
135		21.82857654	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
136		37.58338667	No	ROTATIONAL
137		30.12710364	No	ROTATIONAL
138		9.464703444	No	ROTATIONAL
139		158.3129965	No	ROTATIONAL
140		65.70600475	No	OPEN
141		67.99756694	No	ROTATIONAL
142		150.4278541	No	ROTATIONAL
143		16.93317096	No	ROTATIONAL
144		27.43281772	No	OPEN
145		60.20890049	No	ROTATIONAL
146		157.2585475	No	ROTATIONAL
147		8.304986042	No	ROTATIONAL
148		105.5758742	No	ROTATIONAL
149		16.10325062	No	ROTATIONAL
150		57.44689389	No	ROTATIONAL
151		11.35573005	No	OPEN
152		236.346139	No	OPEN
153		76.07674657	No	ROTATIONAL
154		260.1070141	No	ROTATIONAL
155		159.6946126	No	ROTATIONAL
156		397.5021716	No	ROTATIONAL
157		58.68693163	No	OPEN
158		2.189586014	No	OPEN
159		6.359299995	No	OPEN
160		8.020482826	No	OPEN
161		120.9866588	No	ROTATIONAL
162		4.532255565	No	OPEN
163		49.42378182	No	OPEN
164		12.21115659	No	OPEN
165		8.806459546	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
166		182.5061341	No	ROTATIONAL
167		608.4117132	No	OPEN
168		171.9961633	No	ROTATIONAL
169		120.6769493	No	ROTATIONAL
170		198.9368011	No	ROTATIONAL
171		42.3222439	No	OPEN
172		155.987261	No	ROTATIONAL
173		352.1702864	No	ROTATIONAL
174		238.4335958	No	ROTATIONAL
175		44.69168853	No	ROTATIONAL
176		34.72759876	No	ROTATIONAL
177		2.311314039	No	OPEN
178		5.223074532	No	OPEN
179		59.47858391	No	ROTATIONAL
180		7.304944087	No	ROTATIONAL
181		48.96138874	No	OPEN
182		4.692455372	No	NO DISCHARGE
183		4.754444032	No	NO DISCHARGE
184		0.811650167	No	NO DISCHARGE
185		130.465404	No	ROTATIONAL
186		125.2443183	No	OPEN
187		79.12670422	No	OPEN
188		30.67585406	No	OPEN
189		149.772203	No	ROTATIONAL
190		24.68420547	No	OPEN ALL YEAR
191		280.8471295	No	ROTATIONAL
192		24.18544491	No	OPEN
193		1291.882239	No	ROTATIONAL
194		747.7397255	No	ROTATIONAL
195		79.57883098	No	ROTATIONAL

<u>IMPOUND_ID</u>	<u>IMPOUND_TYPE</u>	<u>IMPOUND_ACRES</u>	<u>BURN_UNIT</u>	<u>IMPOUND_SCHEME</u>
196		51.09786652	No	ROTATIONAL
197		11.13014867	No	NO DISCHARGE
198		13.56290545	No	ROTATIONAL
199		100.3673955	No	ROTATIONAL
200		89.2157334	No	NO DISCHARGE
201		187.5349559	No	ROTATIONAL
202		34.24790419	No	ROTATIONAL
203		23.2748784	No	ROTATIONAL
204		125.6240798	No	ROTATIONAL
205		34.59884257	No	ROTATIONAL

Appendix E.7: Impoundment Schedule Table, Year 2001

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
16	Restored	57.35457516	Yes	ROTATIONAL
53	Restored	200.1060827	Yes	ROTATIONAL
65	Restored	92.96730374	Yes	ROTATIONAL
74	Restored	117.6455926	Yes	ROTATIONAL
97	Restored	29.27071838	Yes	ROTATIONAL
17	Restored	108.7201395	Yes	ROTATIONAL
18	Restored	58.7466661	Yes	NO DISCHARGE
62	Restored	188.4115747	Yes	ROTATIONAL
76	Restored	73.64728301	Yes	ROTATIONAL
59	Reconnected	360.2455078	Yes	NO DISCHARGE
60	Reconnected	345.455899	Yes	NO CHANGE
36	Reconnected	372.2568953	Yes	ROTATIONAL
37	Reconnected	184.3465536	Yes	ROTATIONAL
39	Reconnected	65.14867332	Yes	ROTATIONAL
40	Reconnected	909.8476749	Yes	ROTATIONAL
41	Reconnected	323.297889	Yes	ROTATIONAL
46	Reconnected	178.9039382	Yes	ROTATIONAL
	Minimally connected	234.9248581	Yes	ROTATIONAL
47	Reconnected	62.95595214	Yes	ROTATIONAL
51	Reconnected	2851.233065	Yes	ROTATIONAL
54	Reconnected	217.230335	Yes	ROTATIONAL
55	Reconnected	210.4477956	Yes	ROTATIONAL
57	Reconnected	597.1420485	Yes	ROTATIONAL
66	Minimally connected	1462.717873	Yes	ROTATIONAL
86	Minimally connected	825.9194969	No	ROTATIONAL
206	Restored	28.91426667	Yes	NO CHANGE
30	Island	25.03145753	Yes	NO CHANGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
2	Island	31.55842814	Yes	NO CHANGE
3	Island	27.89431628	Yes	NO CHANGE
4	Island	6.172373233	Yes	NO CHANGE
5	Island	12.64282595	Yes	NO CHANGE
6	Island	10.1070581	Yes	NO CHANGE
7	Island	9.322032316	Yes	NO CHANGE
8	Island	21.33378309	Yes	NO CHANGE
9	Island	25.5148479	Yes	NO CHANGE
10	Island	9.033578063	Yes	NO CHANGE
11	Island	4.785739373	Yes	NO CHANGE
12	Island	33.25702946	Yes	NO CHANGE
13	Island	9.813980197	Yes	NO CHANGE
14	Island	25.69305304	Yes	NO CHANGE
15	Island	3.480254374	Yes	NO CHANGE
19	Unconnected	28.2731969	Yes	NO DISCHARGE
20	Minimally connected	62.67253143	Yes	NO CHANGE
21	Unconnected	78.10550889	Yes	NO DISCHARGE
22	Unconnected	281.4781666	Yes	NO DISCHARGE
23	Reconnected	1091.045013	Yes	NO CHANGE
24	Restored	94.5888105	Yes	NO CHANGE
25	Restored	39.39464135	Yes	NO CHANGE
26	Restored	88.30149383	Yes	NO CHANGE
27	Restored	60.94708375	Yes	NO CHANGE
28	Restored	46.57212365	Yes	NO CHANGE
29	Restored	39.88483648	Yes	NO CHANGE
31	Restored	147.680411	Yes	NO CHANGE
32	Restored	533.3542508	Yes	NO CHANGE
33	Restored	56.32883888	Yes	NO CHANGE
34	Reconnected	717.0758648	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
35	Reconnected	1392.615791	Yes	NO DISCHARGE
38	Reconnected	78.56295407	Yes	ROTATIONAL
42	Reconnected	716.3477411	Yes	NO DISCHARGE
43	Reconnected	573.6842206	Yes	NO CHANGE
44	Reconnected	334.4043302	Yes	NO CHANGE
45	Reconnected	1066.215514	Yes	NO DISCHARGE
48	Reconnected	327.8245235	Yes	NO DISCHARGE
49	Reconnected	64.0400146	Yes	NO CHANGE
50	Reconnected	172.8281067	Yes	NO CHANGE
52	Reconnected	136.6800384	Yes	NO CHANGE
56	Reconnected	121.2461309	Yes	NO CHANGE
58	Reconnected	892.674957	Yes	NO CHANGE
61	Reconnected	898.1866873	Yes	ROTATIONAL
63	Reconnected	403.8367111	Yes	ROTATIONAL
	Minimally connected	38.48603533	Yes	NO DISCHARGE
64	Unconnected	85.6569842	Yes	NO DISCHARGE
67	Unconnected	140.2748512	Yes	NO DISCHARGE
68	Unconnected	162.8046621	Yes	NO DISCHARGE
69	Reconnected	428.3696038	Yes	NO CHANGE
70	Reconnected	182.7325068	Yes	NO CHANGE
	Minimally connected	259.7757411	Yes	NO CHANGE
72	Reconnected	475.6782707	Yes	NO CHANGE
	Minimally connected	259.253337	Yes	NO CHANGE
75	Minimally connected	262.848691	Yes	NO CHANGE
	Minimally connected	357.2923728	Yes	NO CHANGE
77	Unconnected	110.2275132	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
80	Unconnected Minimally connected	50.918591 94.01146409	Yes	NO DISCHARGE NO CHANGE
82	Reconnected Minimally connected	28.21908431 213.2999096	Yes	NO CHANGE
84	Restored Minimally connected	223.1055481 461.7895308	Yes	NO CHANGE
85	Minimally connected	553.9832268	Yes	NO CHANGE
87	Reconnected Minimally connected	544.2335121 578.6759683	Yes	NO CHANGE
88	Minimally connected	46.82826726	Yes	NO CHANGE
89	Unconnected	102.279086	Yes	NO DISCHARGE
90	Unconnected	221.0668073	Yes	NO DISCHARGE
91	Unconnected	969.7297179	Yes	NO DISCHARGE
92	Unconnected	304.9756492	Yes	NO DISCHARGE
93	Minimally connected	139.3679016	Yes	NO CHANGE
94	Unconnected Minimally connected	72.73607287	Yes	NO DISCHARGE
95	Restored	32.55842363	Yes	NO DISCHARGE
96	Restored	85.16406976	Yes	NO CHANGE
97		1551.78582	Yes	NO DISCHARGE
98		512.338504	Yes	NO DISCHARGE
99		142.8657732	No	ROTATIONAL
100		148.2158494	No	ROTATIONAL
101		161.7730076	No	ROTATIONAL
102		50.73049168	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
106		30.12905383	No	OPEN
107		320.6361941	No	ROTATIONAL
108		119.0234589	No	ROTATIONAL
109		151.9472976	No	ROTATIONAL
110		139.7875075	No	ROTATIONAL
111		14.05293246	No	OPEN
112		79.97280532	No	OPEN
113		44.07778285	No	OPEN
114		38.41315988	No	ROTATIONAL
115		90.92531474	No	ROTATIONAL
116		18.74940302	No	ROTATIONAL
117		17.97889284	No	ROTATIONAL
118		20.16131043	No	ROTATIONAL
119		11.79160458	No	ROTATIONAL
120		16.81744028	No	ROTATIONAL
121		25.59109844	No	ROTATIONAL
122		14.02114596	No	ROTATIONAL
123		10.38539126	No	ROTATIONAL
124		39.09362412	No	ROTATIONAL
125		14.97837432	No	ROTATIONAL
126		12.31589485	No	ROTATIONAL
127		10.7936133	No	ROTATIONAL
128		22.38929482	No	OPEN
129		40.66964743	No	ROTATIONAL
130		51.43427715	No	ROTATIONAL
131		142.8082468	No	ROTATIONAL
132		55.40200006	No	OPEN
133		40.59833677	No	ROTATIONAL
134		44.74665931	No	ROTATIONAL
135		21.82857654	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
136		37.58338667	No	ROTATIONAL
137		30.12710364	No	ROTATIONAL
138		9.464703444	No	ROTATIONAL
139		158.3129965	No	ROTATIONAL
140		65.70600475	No	OPEN
141		67.99756694	No	ROTATIONAL
142		150.4278541	No	ROTATIONAL
143		16.93317096	No	ROTATIONAL
144		27.43281772	No	OPEN
145		60.20890049	No	ROTATIONAL
146		157.2585475	No	ROTATIONAL
147		8.304986042	No	ROTATIONAL
148		105.5758742	No	ROTATIONAL
149		16.10325062	No	ROTATIONAL
150		57.44689389	No	ROTATIONAL
151		11.35573005	No	OPEN
152		236.346139	No	OPEN
153		76.07674657	No	ROTATIONAL
154		260.1070141	No	ROTATIONAL
155		159.6946126	No	ROTATIONAL
156		397.5021716	No	ROTATIONAL
157		58.68693163	No	OPEN
158		2.189586014	No	OPEN
159		6.359299995	No	OPEN
160		8.020482826	No	OPEN
161		120.9866588	No	ROTATIONAL
162		4.532255565	No	OPEN
163		49.42378182	No	OPEN
164		12.21115659	No	OPEN
165		8.806459546	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
166		182.5061341	No	ROTATIONAL
167		608.4117132	No	OPEN
168		171.9961633	No	ROTATIONAL
169		120.6769493	No	ROTATIONAL
170		198.9368011	No	ROTATIONAL
171		42.3222439	No	OPEN
172		155.987261	No	ROTATIONAL
173		352.1702864	No	ROTATIONAL
174		238.4335958	No	ROTATIONAL
175		44.69168853	No	ROTATIONAL
176		34.72759876	No	ROTATIONAL
177		2.311314039	No	OPEN
178		5.223074532	No	OPEN
179		59.47858391	No	ROTATIONAL
180		7.304944087	No	ROTATIONAL
181		48.96138874	No	OPEN
182		4.692455372	No	NO DISCHARGE
183		4.754444032	No	NO DISCHARGE
184		0.811650167	No	NO DISCHARGE
185		130.465404	No	ROTATIONAL
186		125.2443183	No	OPEN
187		79.12670422	No	OPEN
188		30.67585406	No	OPEN
189		149.772203	No	ROTATIONAL
190		24.68420547	No	OPEN ALL YEAR
191		280.8471295	No	ROTATIONAL
192		24.18544491	No	OPEN
193		1291.882239	No	ROTATIONAL
194		747.7397255	No	ROTATIONAL
195		79.57883098	No	ROTATIONAL

<u>IMPOUND_ID</u>	<u>IMPOUND_TYPE</u>	<u>IMPOUND_ACRES</u>	<u>BURN_UNIT</u>	<u>IMPOUND_SCHEME</u>
196		51.09786652	No	ROTATIONAL
197		11.13014867	No	NO DISCHARGE
198		13.56290545	No	ROTATIONAL
199		100.3673955	No	ROTATIONAL
200		89.2157334	No	NO DISCHARGE
201		187.5349559	No	ROTATIONAL
202		34.24790419	No	ROTATIONAL
203		23.2748784	No	ROTATIONAL
204		125.6240798	No	ROTATIONAL
205		34.59884257	No	ROTATIONAL

Appendix E.8: Impoundment Schedule Table, Year 2002

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
16	Restored	57.35457516	Yes	ROTATIONAL
53	Restored	200.1060827	Yes	ROTATIONAL
65	Restored	92.96730374	Yes	ROTATIONAL
74	Restored	117.6455926	Yes	ROTATIONAL
97	Restored	29.27071838	Yes	ROTATIONAL
17	Restored	108.7201395	Yes	ROTATIONAL
18	Restored	58.7466661	Yes	NO DISCHARGE
62	Restored	188.4115747	Yes	ROTATIONAL
76	Restored	73.64728301	Yes	ROTATIONAL
59	Reconnected	360.2455078	Yes	NO DISCHARGE
60	Reconnected	345.455899	Yes	NO CHANGE
36	Reconnected	372.2568953	Yes	NO DISCHARGE
37	Reconnected	184.3465536	Yes	NO DISCHARGE
39	Reconnected	65.14867332	Yes	NO DISCHARGE
40	Reconnected	909.8476749	Yes	NO DISCHARGE
41	Reconnected	323.297889	Yes	NO DISCHARGE
46	Reconnected	178.9039382	Yes	NO DISCHARGE
	Minimally connected	234.9248581	Yes	NO DISCHARGE
47	Reconnected	62.95595214	Yes	NO DISCHARGE
51	Reconnected	2851.233065	Yes	NO DISCHARGE
54	Reconnected	217.230335	Yes	NO DISCHARGE
55	Reconnected	210.4477956	Yes	NO DISCHARGE
57	Reconnected	597.1420485	Yes	NO DISCHARGE
66	Minimally connected	1462.717873	Yes	NO DISCHARGE
86	Minimally connected	825.9194969	No	NO DISCHARGE
206	Restored	28.91426667	Yes	NO CHANGE
30	Island	25.03145753	Yes	NO CHANGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
2	Island	31.55842814	Yes	NO CHANGE
3	Island	27.89431628	Yes	NO CHANGE
4	Island	6.172373233	Yes	NO CHANGE
5	Island	12.64282595	Yes	NO CHANGE
6	Island	10.1070581	Yes	NO CHANGE
7	Island	9.322032316	Yes	NO CHANGE
8	Island	21.33378309	Yes	NO CHANGE
9	Island	25.5148479	Yes	NO CHANGE
10	Island	9.033578063	Yes	NO CHANGE
11	Island	4.785739373	Yes	NO CHANGE
12	Island	33.25702946	Yes	NO CHANGE
13	Island	9.813980197	Yes	NO CHANGE
14	Island	25.69305304	Yes	NO CHANGE
15	Island	3.480254374	Yes	NO CHANGE
19	Unconnected	28.2731969	Yes	NO DISCHARGE
20	Minimally connected	62.67253143	Yes	NO CHANGE
21	Unconnected	78.10550889	Yes	NO DISCHARGE
22	Unconnected	281.4781666	Yes	NO DISCHARGE
23	Reconnected	1091.045013	Yes	NO CHANGE
24	Restored	94.5888105	Yes	NO CHANGE
25	Restored	39.39464135	Yes	NO CHANGE
26	Restored	88.30149383	Yes	NO CHANGE
27	Restored	60.94708375	Yes	NO CHANGE
28	Restored	46.57212365	Yes	NO CHANGE
29	Restored	39.88483648	Yes	NO CHANGE
31	Restored	147.680411	Yes	NO CHANGE
32	Restored	533.3542508	Yes	NO CHANGE
33	Restored	56.32883888	Yes	NO CHANGE
34	Reconnected	717.0758648	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
35	Reconnected	1392.615791	Yes	NO DISCHARGE
38	Reconnected	78.56295407	Yes	ROTATIONAL
42	Reconnected	716.3477411	Yes	NO DISCHARGE
43	Reconnected	573.6842206	Yes	NO CHANGE
44	Reconnected	334.4043302	Yes	NO CHANGE
45	Reconnected	1066.215514	Yes	NO DISCHARGE
48	Reconnected	327.8245235	Yes	NO DISCHARGE
49	Reconnected	64.0400146	Yes	NO CHANGE
50	Reconnected	172.8281067	Yes	NO CHANGE
52	Reconnected	136.6800384	Yes	NO CHANGE
56	Reconnected	121.2461309	Yes	NO CHANGE
58	Reconnected	892.674957	Yes	NO CHANGE
61	Reconnected	898.1866873	Yes	ROTATIONAL
63	Reconnected	403.8367111	Yes	ROTATIONAL
	Minimally connected	38.48603533	Yes	NO DISCHARGE
64	Unconnected	85.6569842	Yes	NO DISCHARGE
67	Unconnected	140.2748512	Yes	NO DISCHARGE
68	Unconnected	162.8046621	Yes	NO DISCHARGE
69	Reconnected	428.3696038	Yes	NO CHANGE
70	Reconnected	182.7325068	Yes	NO CHANGE
	Minimally connected	259.7757411	Yes	NO CHANGE
72	Reconnected	475.6782707	Yes	NO CHANGE
	Minimally connected	259.253337	Yes	NO CHANGE
75	Minimally connected	262.848691	Yes	NO CHANGE
	Minimally connected	357.2923728	Yes	NO CHANGE
77	Unconnected	110.2275132	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
80	Unconnected Minimally connected	50.918591 94.01146409	Yes	NO DISCHARGE NO CHANGE
82	Reconnected Minimally connected	28.21908431 213.2999096	Yes	NO CHANGE
84	Restored Minimally connected	223.1055481 461.7895308	Yes	NO CHANGE
85	Minimally connected	553.9832268	Yes	NO CHANGE
87	Reconnected Minimally connected	544.2335121 578.6759683	Yes	NO CHANGE
88	Minimally connected	46.82826726	Yes	NO CHANGE
89	Unconnected	102.279086	Yes	NO DISCHARGE
90	Unconnected	221.0668073	Yes	NO DISCHARGE
91	Unconnected	969.7297179	Yes	NO DISCHARGE
92	Unconnected	304.9756492	Yes	NO DISCHARGE
93	Minimally connected	139.3679016	Yes	NO CHANGE
94	Unconnected Minimally connected	72.73607287	Yes	NO DISCHARGE
95	Restored	32.55842363	Yes	NO DISCHARGE
96	Restored	85.16406976	Yes	NO CHANGE
97		1551.78582	Yes	NO DISCHARGE
98		512.338504	Yes	NO DISCHARGE
99		142.8657732	No	ROTATIONAL
100		148.2158494	No	ROTATIONAL
101		161.7730076	No	ROTATIONAL
102		50.73049168	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
106		30.12905383	No	OPEN
107		320.6361941	No	ROTATIONAL
108		119.0234589	No	ROTATIONAL
109		151.9472976	No	ROTATIONAL
110		139.7875075	No	ROTATIONAL
111		14.05293246	No	OPEN
112		79.97280532	No	OPEN
113		44.07778285	No	OPEN
114		38.41315988	No	ROTATIONAL
115		90.92531474	No	ROTATIONAL
116		18.74940302	No	ROTATIONAL
117		17.97889284	No	ROTATIONAL
118		20.16131043	No	ROTATIONAL
119		11.79160458	No	ROTATIONAL
120		16.81744028	No	ROTATIONAL
121		25.59109844	No	ROTATIONAL
122		14.02114596	No	ROTATIONAL
123		10.38539126	No	ROTATIONAL
124		39.09362412	No	ROTATIONAL
125		14.97837432	No	ROTATIONAL
126		12.31589485	No	ROTATIONAL
127		10.7936133	No	ROTATIONAL
128		22.38929482	No	OPEN
129		40.66964743	No	ROTATIONAL
130		51.43427715	No	ROTATIONAL
131		142.8082468	No	ROTATIONAL
132		55.40200006	No	OPEN
133		40.59833677	No	ROTATIONAL
134		44.74665931	No	ROTATIONAL
135		21.82857654	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
136		37.58338667	No	ROTATIONAL
137		30.12710364	No	ROTATIONAL
138		9.464703444	No	ROTATIONAL
139		158.3129965	No	ROTATIONAL
140		65.70600475	No	OPEN
141		67.99756694	No	ROTATIONAL
142		150.4278541	No	ROTATIONAL
143		16.93317096	No	ROTATIONAL
144		27.43281772	No	OPEN
145		60.20890049	No	ROTATIONAL
146		157.2585475	No	ROTATIONAL
147		8.304986042	No	ROTATIONAL
148		105.5758742	No	ROTATIONAL
149		16.10325062	No	ROTATIONAL
150		57.44689389	No	ROTATIONAL
151		11.35573005	No	OPEN
152		236.346139	No	OPEN
153		76.07674657	No	ROTATIONAL
154		260.1070141	No	ROTATIONAL
155		159.6946126	No	ROTATIONAL
156		397.5021716	No	ROTATIONAL
157		58.68693163	No	OPEN
158		2.189586014	No	OPEN
159		6.359299995	No	OPEN
160		8.020482826	No	OPEN
161		120.9866588	No	ROTATIONAL
162		4.532255565	No	OPEN
163		49.42378182	No	OPEN
164		12.21115659	No	OPEN
165		8.806459546	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
166		182.5061341	No	ROTATIONAL
167		608.4117132	No	OPEN
168		171.9961633	No	ROTATIONAL
169		120.6769493	No	ROTATIONAL
170		198.9368011	No	ROTATIONAL
171		42.3222439	No	OPEN
172		155.987261	No	ROTATIONAL
173		352.1702864	No	ROTATIONAL
174		238.4335958	No	ROTATIONAL
175		44.69168853	No	ROTATIONAL
176		34.72759876	No	ROTATIONAL
177		2.311314039	No	OPEN
178		5.223074532	No	OPEN
179		59.47858391	No	ROTATIONAL
180		7.304944087	No	ROTATIONAL
181		48.96138874	No	OPEN
182		4.692455372	No	NO DISCHARGE
183		4.754444032	No	NO DISCHARGE
184		0.811650167	No	NO DISCHARGE
185		130.465404	No	ROTATIONAL
186		125.2443183	No	OPEN
187		79.12670422	No	OPEN
188		30.67585406	No	OPEN
189		149.772203	No	ROTATIONAL
190		24.68420547	No	OPEN ALL YEAR
191		280.8471295	No	ROTATIONAL
192		24.18544491	No	OPEN
193		1291.882239	No	ROTATIONAL
194		747.7397255	No	ROTATIONAL
195		79.57883098	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
196		51.09786652	No	ROTATIONAL
197		11.13014867	No	NO DISCHARGE
198		13.56290545	No	ROTATIONAL
199		100.3673955	No	ROTATIONAL
200		89.2157334	No	NO DISCHARGE
201		187.5349559	No	ROTATIONAL
202		34.24790419	No	ROTATIONAL
203		23.2748784	No	ROTATIONAL
204		125.6240798	No	ROTATIONAL
205		34.59884257	No	ROTATIONAL

Appendix E.9: Impoundment Schedule Table, Year 2003

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
16	Restored	57.35457516	Yes	ROTATIONAL
53	Restored	200.1060827	Yes	ROTATIONAL
65	Restored	92.96730374	Yes	ROTATIONAL
74	Restored	117.6455926	Yes	ROTATIONAL
97	Restored	29.27071838	Yes	ROTATIONAL
17	Restored	108.7201395	Yes	ROTATIONAL
18	Restored	58.7466661	Yes	NO DISCHARGE
62	Restored	188.4115747	Yes	ROTATIONAL
76	Restored	73.64728301	Yes	ROTATIONAL
59	Reconnected	360.2455078	Yes	NO DISCHARGE
60	Reconnected	345.455899	Yes	NO CHANGE
36	Reconnected	372.2568953	Yes	NO DISCHARGE
37	Reconnected	184.3465536	Yes	NO DISCHARGE
39	Reconnected	65.14867332	Yes	NO DISCHARGE
40	Reconnected	909.8476749	Yes	NO DISCHARGE
41	Reconnected	323.297889	Yes	NO DISCHARGE
46	Reconnected	178.9039382	Yes	NO DISCHARGE
	Minimally connected	234.9248581	Yes	NO DISCHARGE
47	Reconnected	62.95595214	Yes	NO DISCHARGE
51	Reconnected	2851.233065	Yes	NO DISCHARGE
54	Reconnected	217.230335	Yes	NO DISCHARGE
55	Reconnected	210.4477956	Yes	NO DISCHARGE
57	Reconnected	597.1420485	Yes	NO DISCHARGE
66	Minimally connected	1462.717873	Yes	NO DISCHARGE
86	Minimally connected	825.9194969	No	NO DISCHARGE
206	Restored	28.91426667	Yes	NO CHANGE
30	Island	25.03145753	Yes	NO CHANGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
2	Island	31.55842814	Yes	NO CHANGE
3	Island	27.89431628	Yes	NO CHANGE
4	Island	6.172373233	Yes	NO CHANGE
5	Island	12.64282595	Yes	NO CHANGE
6	Island	10.1070581	Yes	NO CHANGE
7	Island	9.322032316	Yes	NO CHANGE
8	Island	21.33378309	Yes	NO CHANGE
9	Island	25.5148479	Yes	NO CHANGE
10	Island	9.033578063	Yes	NO CHANGE
11	Island	4.785739373	Yes	NO CHANGE
12	Island	33.25702946	Yes	NO CHANGE
13	Island	9.813980197	Yes	NO CHANGE
14	Island	25.69305304	Yes	NO CHANGE
15	Island	3.480254374	Yes	NO CHANGE
19	Unconnected	28.2731969	Yes	NO DISCHARGE
20	Minimally connected	62.67253143	Yes	NO CHANGE
21	Unconnected	78.10550889	Yes	NO DISCHARGE
22	Unconnected	281.4781666	Yes	NO DISCHARGE
23	Reconnected	1091.045013	Yes	NO CHANGE
24	Restored	94.5888105	Yes	NO CHANGE
25	Restored	39.39464135	Yes	NO CHANGE
26	Restored	88.30149383	Yes	NO CHANGE
27	Restored	60.94708375	Yes	NO CHANGE
28	Restored	46.57212365	Yes	NO CHANGE
29	Restored	39.88483648	Yes	NO CHANGE
31	Restored	147.680411	Yes	NO CHANGE
32	Restored	533.3542508	Yes	NO CHANGE
33	Restored	56.32883888	Yes	NO CHANGE
34	Reconnected	717.0758648	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
35	Reconnected	1392.615791	Yes	NO DISCHARGE
38	Reconnected	78.56295407	Yes	ROTATIONAL
42	Reconnected	716.3477411	Yes	NO DISCHARGE
43	Reconnected	573.6842206	Yes	NO CHANGE
44	Reconnected	334.4043302	Yes	NO CHANGE
45	Reconnected	1066.215514	Yes	NO DISCHARGE
48	Reconnected	327.8245235	Yes	NO DISCHARGE
49	Reconnected	64.0400146	Yes	NO CHANGE
50	Reconnected	172.8281067	Yes	NO CHANGE
52	Reconnected	136.6800384	Yes	NO CHANGE
56	Reconnected	121.2461309	Yes	NO CHANGE
58	Reconnected	892.674957	Yes	NO CHANGE
61	Reconnected	898.1866873	Yes	ROTATIONAL
63	Reconnected	403.8367111	Yes	ROTATIONAL
	Minimally connected	38.48603533	Yes	NO DISCHARGE
64	Unconnected	85.6569842	Yes	NO DISCHARGE
67	Unconnected	140.2748512	Yes	NO DISCHARGE
68	Unconnected	162.8046621	Yes	NO DISCHARGE
69	Reconnected	428.3696038	Yes	NO CHANGE
70	Reconnected	182.7325068	Yes	NO CHANGE
	Minimally connected	259.7757411	Yes	NO CHANGE
72	Reconnected	475.6782707	Yes	NO CHANGE
	Minimally connected	259.253337	Yes	NO CHANGE
75	Minimally connected	262.848691	Yes	NO CHANGE
	Minimally connected	357.2923728	Yes	NO CHANGE
77	Unconnected	110.2275132	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
80	Unconnected Minimally connected	50.918591 94.01146409	Yes	NO DISCHARGE NO CHANGE
82	Reconnected Minimally connected	28.21908431 213.2999096	Yes	NO CHANGE
84	Restored Minimally connected	223.1055481 461.7895308	Yes	NO CHANGE
85	Minimally connected	553.9832268	Yes	NO CHANGE
87	Reconnected Minimally connected	544.2335121 578.6759683	Yes	NO CHANGE
88	Minimally connected	46.82826726	Yes	NO CHANGE
89	Unconnected	102.279086	Yes	NO DISCHARGE
90	Unconnected	221.0668073	Yes	NO DISCHARGE
91	Unconnected	969.7297179	Yes	NO DISCHARGE
92	Unconnected	304.9756492	Yes	NO DISCHARGE
93	Minimally connected	139.3679016	Yes	NO CHANGE
94	Unconnected Minimally connected	72.73607287	Yes	NO DISCHARGE
95	Restored	32.55842363	Yes	NO DISCHARGE
96	Restored	85.16406976	Yes	NO CHANGE
97		1551.78582	Yes	NO DISCHARGE
98		512.338504	Yes	NO DISCHARGE
99		142.8657732	No	ROTATIONAL
100		148.2158494	No	ROTATIONAL
101		161.7730076	No	ROTATIONAL
102		50.73049168	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
106		30.12905383	No	OPEN
107		320.6361941	No	ROTATIONAL
108		119.0234589	No	ROTATIONAL
109		151.9472976	No	ROTATIONAL
110		139.7875075	No	ROTATIONAL
111		14.05293246	No	OPEN
112		79.97280532	No	OPEN
113		44.07778285	No	OPEN
114		38.41315988	No	ROTATIONAL
115		90.92531474	No	ROTATIONAL
116		18.74940302	No	ROTATIONAL
117		17.97889284	No	ROTATIONAL
118		20.16131043	No	ROTATIONAL
119		11.79160458	No	ROTATIONAL
120		16.81744028	No	ROTATIONAL
121		25.59109844	No	ROTATIONAL
122		14.02114596	No	ROTATIONAL
123		10.38539126	No	ROTATIONAL
124		39.09362412	No	ROTATIONAL
125		14.97837432	No	ROTATIONAL
126		12.31589485	No	ROTATIONAL
127		10.7936133	No	ROTATIONAL
128		22.38929482	No	OPEN
129		40.66964743	No	ROTATIONAL
130		51.43427715	No	ROTATIONAL
131		142.8082468	No	ROTATIONAL
132		55.40200006	No	OPEN
133		40.59833677	No	ROTATIONAL
134		44.74665931	No	ROTATIONAL
135		21.82857654	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
136		37.58338667	No	ROTATIONAL
137		30.12710364	No	ROTATIONAL
138		9.464703444	No	ROTATIONAL
139		158.3129965	No	ROTATIONAL
140		65.70600475	No	OPEN
141		67.99756694	No	ROTATIONAL
142		150.4278541	No	ROTATIONAL
143		16.93317096	No	ROTATIONAL
144		27.43281772	No	OPEN
145		60.20890049	No	ROTATIONAL
146		157.2585475	No	ROTATIONAL
147		8.304986042	No	ROTATIONAL
148		105.5758742	No	ROTATIONAL
149		16.10325062	No	ROTATIONAL
150		57.44689389	No	ROTATIONAL
151		11.35573005	No	OPEN
152		236.346139	No	OPEN
153		76.07674657	No	ROTATIONAL
154		260.1070141	No	ROTATIONAL
155		159.6946126	No	ROTATIONAL
156		397.5021716	No	ROTATIONAL
157		58.68693163	No	OPEN
158		2.189586014	No	OPEN
159		6.359299995	No	OPEN
160		8.020482826	No	OPEN
161		120.9866588	No	ROTATIONAL
162		4.532255565	No	OPEN
163		49.42378182	No	OPEN
164		12.21115659	No	OPEN
165		8.806459546	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
166		182.5061341	No	ROTATIONAL
167		608.4117132	No	OPEN
168		171.9961633	No	ROTATIONAL
169		120.6769493	No	ROTATIONAL
170		198.9368011	No	ROTATIONAL
171		42.3222439	No	OPEN
172		155.987261	No	ROTATIONAL
173		352.1702864	No	ROTATIONAL
174		238.4335958	No	ROTATIONAL
175		44.69168853	No	ROTATIONAL
176		34.72759876	No	ROTATIONAL
177		2.311314039	No	OPEN
178		5.223074532	No	OPEN
179		59.47858391	No	ROTATIONAL
180		7.304944087	No	ROTATIONAL
181		48.96138874	No	OPEN
182		4.692455372	No	NO DISCHARGE
183		4.754444032	No	NO DISCHARGE
184		0.811650167	No	NO DISCHARGE
185		130.465404	No	ROTATIONAL
186		125.2443183	No	OPEN
187		79.12670422	No	OPEN
188		30.67585406	No	OPEN
189		149.772203	No	ROTATIONAL
190		24.68420547	No	OPEN ALL YEAR
191		280.8471295	No	ROTATIONAL
192		24.18544491	No	OPEN
193		1291.882239	No	ROTATIONAL
194		747.7397255	No	ROTATIONAL
195		79.57883098	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
196		51.09786652	No	ROTATIONAL
197		11.13014867	No	NO DISCHARGE
198		13.56290545	No	ROTATIONAL
199		100.3673955	No	ROTATIONAL
200		89.2157334	No	NO DISCHARGE
201		187.5349559	No	ROTATIONAL
202		34.24790419	No	ROTATIONAL
203		23.2748784	No	ROTATIONAL
204		125.6240798	No	ROTATIONAL
205		34.59884257	No	ROTATIONAL

Appendix E.10: Impoundment Schedule Table, Year 2004

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
16	Restored	57.35457516	Yes	ROTATIONAL
53	Restored	200.1060827	Yes	ROTATIONAL
65	Restored	92.96730374	Yes	ROTATIONAL
74	Restored	117.6455926	Yes	ROTATIONAL
97	Restored	29.27071838	Yes	ROTATIONAL
17	Restored	108.7201395	Yes	ROTATIONAL
18	Restored	58.7466661	Yes	NO DISCHARGE
62	Restored	188.4115747	Yes	ROTATIONAL
76	Restored	73.64728301	Yes	ROTATIONAL
59	Reconnected	360.2455078	Yes	ROTATIONAL
60	Reconnected	345.455899	Yes	ROTATIONAL
36	Reconnected	372.2568953	Yes	NO DISCHARGE
37	Reconnected	184.3465536	Yes	NO DISCHARGE
39	Reconnected	65.14867332	Yes	NO DISCHARGE
40	Reconnected	909.8476749	Yes	NO DISCHARGE
41	Reconnected	323.297889	Yes	NO DISCHARGE
46	Reconnected	178.9039382	Yes	NO DISCHARGE
	Minimally connected	234.9248581	Yes	NO DISCHARGE
47	Reconnected	62.95595214	Yes	NO DISCHARGE
51	Reconnected	2851.233065	Yes	NO DISCHARGE
54	Reconnected	217.230335	Yes	NO DISCHARGE
55	Reconnected	210.4477956	Yes	NO DISCHARGE
57	Reconnected	597.1420485	Yes	NO DISCHARGE
66	Minimally connected	1462.717873	Yes	NO DISCHARGE
86	Minimally connected	825.9194969	No	NO DISCHARGE
206	Restored	28.91426667	Yes	NO CHANGE
30	Island	25.03145753	Yes	NO CHANGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
2	Island	31.55842814	Yes	NO CHANGE
3	Island	27.89431628	Yes	NO CHANGE
4	Island	6.172373233	Yes	NO CHANGE
5	Island	12.64282595	Yes	NO CHANGE
6	Island	10.1070581	Yes	NO CHANGE
7	Island	9.322032316	Yes	NO CHANGE
8	Island	21.33378309	Yes	NO CHANGE
9	Island	25.5148479	Yes	NO CHANGE
10	Island	9.033578063	Yes	NO CHANGE
11	Island	4.785739373	Yes	NO CHANGE
12	Island	33.25702946	Yes	NO CHANGE
13	Island	9.813980197	Yes	NO CHANGE
14	Island	25.69305304	Yes	NO CHANGE
15	Island	3.480254374	Yes	NO CHANGE
19	Unconnected	28.2731969	Yes	NO DISCHARGE
20	Minimally connected	62.67253143	Yes	NO CHANGE
21	Unconnected	78.10550889	Yes	NO DISCHARGE
22	Unconnected	281.4781666	Yes	NO DISCHARGE
23	Reconnected	1091.045013	Yes	NO CHANGE
24	Restored	94.5888105	Yes	NO CHANGE
25	Restored	39.39464135	Yes	NO CHANGE
26	Restored	88.30149383	Yes	NO CHANGE
27	Restored	60.94708375	Yes	NO CHANGE
28	Restored	46.57212365	Yes	NO CHANGE
29	Restored	39.88483648	Yes	NO CHANGE
31	Restored	147.680411	Yes	NO CHANGE
32	Restored	533.3542508	Yes	NO CHANGE
33	Restored	56.32883888	Yes	NO CHANGE
34	Reconnected	717.0758648	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
35	Reconnected	1392.615791	Yes	NO DISCHARGE
38	Reconnected	78.56295407	Yes	ROTATIONAL
42	Reconnected	716.3477411	Yes	NO DISCHARGE
43	Reconnected	573.6842206	Yes	NO CHANGE
44	Reconnected	334.4043302	Yes	NO CHANGE
45	Reconnected	1066.215514	Yes	NO DISCHARGE
48	Reconnected	327.8245235	Yes	NO DISCHARGE
49	Reconnected	64.0400146	Yes	NO CHANGE
50	Reconnected	172.8281067	Yes	NO CHANGE
52	Reconnected	136.6800384	Yes	NO CHANGE
56	Reconnected	121.2461309	Yes	NO CHANGE
58	Reconnected	892.674957	Yes	NO CHANGE
61	Reconnected	898.1866873	Yes	ROTATIONAL
63	Reconnected	403.8367111	Yes	ROTATIONAL
	Minimally connected	38.48603533	Yes	NO DISCHARGE
64	Unconnected	85.6569842	Yes	NO DISCHARGE
67	Unconnected	140.2748512	Yes	NO DISCHARGE
68	Unconnected	162.8046621	Yes	NO DISCHARGE
69	Reconnected	428.3696038	Yes	NO CHANGE
70	Reconnected	182.7325068	Yes	NO CHANGE
	Minimally connected	259.7757411	Yes	NO CHANGE
72	Reconnected	475.6782707	Yes	NO CHANGE
	Minimally connected	259.253337	Yes	NO CHANGE
75	Minimally connected	262.848691	Yes	NO CHANGE
	Minimally connected	357.2923728	Yes	NO CHANGE
77	Unconnected	110.2275132	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
80	Unconnected Minimally connected	50.918591 94.01146409	Yes	NO DISCHARGE NO CHANGE
82	Reconnected Minimally connected	28.21908431 213.2999096	Yes	NO CHANGE
84	Restored Minimally connected	223.1055481 461.7895308	Yes	NO CHANGE
85	Minimally connected	553.9832268	Yes	NO CHANGE
87	Reconnected Minimally connected	544.2335121 578.6759683	Yes	NO CHANGE
88	Minimally connected	46.82826726	Yes	NO CHANGE
89	Unconnected	102.279086	Yes	NO DISCHARGE
90	Unconnected	221.0668073	Yes	NO DISCHARGE
91	Unconnected	969.7297179	Yes	NO DISCHARGE
92	Unconnected	304.9756492	Yes	NO DISCHARGE
93	Minimally connected	139.3679016	Yes	NO CHANGE
94	Unconnected Minimally connected	72.73607287	Yes	NO DISCHARGE
95	Restored	32.55842363	Yes	NO DISCHARGE
96	Restored	85.16406976	Yes	NO CHANGE
97		1551.78582	Yes	NO DISCHARGE
98		512.338504	Yes	NO DISCHARGE
99		142.8657732	No	ROTATIONAL
100		148.2158494	No	ROTATIONAL
101		161.7730076	No	ROTATIONAL
102		50.73049168	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
106		30.12905383	No	OPEN
107		320.6361941	No	ROTATIONAL
108		119.0234589	No	ROTATIONAL
109		151.9472976	No	ROTATIONAL
110		139.7875075	No	ROTATIONAL
111		14.05293246	No	OPEN
112		79.97280532	No	OPEN
113		44.07778285	No	OPEN
114		38.41315988	No	ROTATIONAL
115		90.92531474	No	ROTATIONAL
116		18.74940302	No	ROTATIONAL
117		17.97889284	No	ROTATIONAL
118		20.16131043	No	ROTATIONAL
119		11.79160458	No	ROTATIONAL
120		16.81744028	No	ROTATIONAL
121		25.59109844	No	ROTATIONAL
122		14.02114596	No	ROTATIONAL
123		10.38539126	No	ROTATIONAL
124		39.09362412	No	ROTATIONAL
125		14.97837432	No	ROTATIONAL
126		12.31589485	No	ROTATIONAL
127		10.7936133	No	ROTATIONAL
128		22.38929482	No	OPEN
129		40.66964743	No	ROTATIONAL
130		51.43427715	No	ROTATIONAL
131		142.8082468	No	ROTATIONAL
132		55.40200006	No	OPEN
133		40.59833677	No	ROTATIONAL
134		44.74665931	No	ROTATIONAL
135		21.82857654	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
136		37.58338667	No	ROTATIONAL
137		30.12710364	No	ROTATIONAL
138		9.464703444	No	ROTATIONAL
139		158.3129965	No	ROTATIONAL
140		65.70600475	No	OPEN
141		67.99756694	No	ROTATIONAL
142		150.4278541	No	ROTATIONAL
143		16.93317096	No	ROTATIONAL
144		27.43281772	No	OPEN
145		60.20890049	No	ROTATIONAL
146		157.2585475	No	ROTATIONAL
147		8.304986042	No	ROTATIONAL
148		105.5758742	No	ROTATIONAL
149		16.10325062	No	ROTATIONAL
150		57.44689389	No	ROTATIONAL
151		11.35573005	No	OPEN
152		236.346139	No	OPEN
153		76.07674657	No	ROTATIONAL
154		260.1070141	No	ROTATIONAL
155		159.6946126	No	ROTATIONAL
156		397.5021716	No	ROTATIONAL
157		58.68693163	No	OPEN
158		2.189586014	No	OPEN
159		6.359299995	No	OPEN
160		8.020482826	No	OPEN
161		120.9866588	No	ROTATIONAL
162		4.532255565	No	OPEN
163		49.42378182	No	OPEN
164		12.21115659	No	OPEN
165		8.806459546	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
166		182.5061341	No	ROTATIONAL
167		608.4117132	No	OPEN
168		171.9961633	No	ROTATIONAL
169		120.6769493	No	ROTATIONAL
170		198.9368011	No	ROTATIONAL
171		42.3222439	No	OPEN
172		155.987261	No	ROTATIONAL
173		352.1702864	No	ROTATIONAL
174		238.4335958	No	ROTATIONAL
175		44.69168853	No	ROTATIONAL
176		34.72759876	No	ROTATIONAL
177		2.311314039	No	OPEN
178		5.223074532	No	OPEN
179		59.47858391	No	ROTATIONAL
180		7.304944087	No	ROTATIONAL
181		48.96138874	No	OPEN
182		4.692455372	No	NO DISCHARGE
183		4.754444032	No	NO DISCHARGE
184		0.811650167	No	NO DISCHARGE
185		130.465404	No	ROTATIONAL
186		125.2443183	No	OPEN
187		79.12670422	No	OPEN
188		30.67585406	No	OPEN
189		149.772203	No	ROTATIONAL
190		24.68420547	No	OPEN ALL YEAR
191		280.8471295	No	ROTATIONAL
192		24.18544491	No	OPEN
193		1291.882239	No	ROTATIONAL
194		747.7397255	No	ROTATIONAL
195		79.57883098	No	ROTATIONAL

<u>IMPOUND_ID</u>	<u>IMPOUND_TYPE</u>	<u>IMPOUND_ACRES</u>	<u>BURN_UNIT</u>	<u>IMPOUND_SCHEME</u>
196		51.09786652	No	ROTATIONAL
197		11.13014867	No	NO DISCHARGE
198		13.56290545	No	ROTATIONAL
199		100.3673955	No	ROTATIONAL
200		89.2157334	No	NO DISCHARGE
201		187.5349559	No	ROTATIONAL
202		34.24790419	No	ROTATIONAL
203		23.2748784	No	ROTATIONAL
204		125.6240798	No	ROTATIONAL
205		34.59884257	No	ROTATIONAL

Appendix E.11: Impoundment Schedule Table, Year 2005

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
16	Restored	57.35457516	Yes	ROTATIONAL
53	Restored	200.1060827	Yes	ROTATIONAL
65	Restored	92.96730374	Yes	ROTATIONAL
74	Restored	117.6455926	Yes	ROTATIONAL
97	Restored	29.27071838	Yes	ROTATIONAL
17	Restored	108.7201395	Yes	ROTATIONAL
18	Restored	58.7466661	Yes	NO DISCHARGE
62	Restored	188.4115747	Yes	ROTATIONAL
76	Restored	73.64728301	Yes	ROTATIONAL
59	Reconnected	360.2455078	Yes	ROTATIONAL
60	Reconnected	345.455899	Yes	ROTATIONAL
36	Reconnected	372.2568953	Yes	NO DISCHARGE
37	Reconnected	184.3465536	Yes	NO DISCHARGE
39	Reconnected	65.14867332	Yes	NO DISCHARGE
40	Reconnected	909.8476749	Yes	NO DISCHARGE
41	Reconnected	323.297889	Yes	NO DISCHARGE
46	Reconnected	178.9039382	Yes	NO DISCHARGE
	Minimally connected	234.9248581	Yes	NO DISCHARGE
47	Reconnected	62.95595214	Yes	NO DISCHARGE
51	Reconnected	2851.233065	Yes	NO DISCHARGE
54	Reconnected	217.230335	Yes	NO DISCHARGE
55	Reconnected	210.4477956	Yes	NO DISCHARGE
57	Reconnected	597.1420485	Yes	NO DISCHARGE
66	Minimally connected	1462.717873	Yes	NO DISCHARGE
86	Minimally connected	825.9194969	No	NO DISCHARGE
206	Restored	28.91426667	Yes	NO CHANGE
30	Island	25.03145753	Yes	NO CHANGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
2	Island	31.55842814	Yes	NO CHANGE
3	Island	27.89431628	Yes	NO CHANGE
4	Island	6.172373233	Yes	NO CHANGE
5	Island	12.64282595	Yes	NO CHANGE
6	Island	10.1070581	Yes	NO CHANGE
7	Island	9.322032316	Yes	NO CHANGE
8	Island	21.33378309	Yes	NO CHANGE
9	Island	25.5148479	Yes	NO CHANGE
10	Island	9.033578063	Yes	NO CHANGE
11	Island	4.785739373	Yes	NO CHANGE
12	Island	33.25702946	Yes	NO CHANGE
13	Island	9.813980197	Yes	NO CHANGE
14	Island	25.69305304	Yes	NO CHANGE
15	Island	3.480254374	Yes	NO CHANGE
19	Unconnected	28.2731969	Yes	NO DISCHARGE
20	Minimally connected	62.67253143	Yes	NO CHANGE
21	Unconnected	78.10550889	Yes	NO DISCHARGE
22	Unconnected	281.4781666	Yes	NO DISCHARGE
23	Reconnected	1091.045013	Yes	NO CHANGE
24	Restored	94.5888105	Yes	NO CHANGE
25	Restored	39.39464135	Yes	NO CHANGE
26	Restored	88.30149383	Yes	NO CHANGE
27	Restored	60.94708375	Yes	NO CHANGE
28	Restored	46.57212365	Yes	NO CHANGE
29	Restored	39.88483648	Yes	NO CHANGE
31	Restored	147.680411	Yes	NO CHANGE
32	Restored	533.3542508	Yes	NO CHANGE
33	Restored	56.32883888	Yes	NO CHANGE
34	Reconnected	717.0758648	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
35	Reconnected	1392.615791	Yes	NO DISCHARGE
38	Reconnected	78.56295407	Yes	ROTATIONAL
42	Reconnected	716.3477411	Yes	NO DISCHARGE
43	Reconnected	573.6842206	Yes	NO CHANGE
44	Reconnected	334.4043302	Yes	NO CHANGE
45	Reconnected	1066.215514	Yes	NO DISCHARGE
48	Reconnected	327.8245235	Yes	NO DISCHARGE
49	Reconnected	64.0400146	Yes	NO CHANGE
50	Reconnected	172.8281067	Yes	NO CHANGE
52	Reconnected	136.6800384	Yes	NO CHANGE
56	Reconnected	121.2461309	Yes	NO CHANGE
58	Reconnected	892.674957	Yes	NO CHANGE
61	Reconnected	898.1866873	Yes	ROTATIONAL
63	Reconnected	403.8367111	Yes	ROTATIONAL
	Minimally connected	38.48603533	Yes	NO DISCHARGE
64	Unconnected	85.6569842	Yes	NO DISCHARGE
67	Unconnected	140.2748512	Yes	NO DISCHARGE
68	Unconnected	162.8046621	Yes	NO DISCHARGE
69	Reconnected	428.3696038	Yes	NO CHANGE
70	Reconnected	182.7325068	Yes	NO CHANGE
	Minimally connected	259.7757411	Yes	NO CHANGE
72	Reconnected	475.6782707	Yes	NO CHANGE
	Minimally connected	259.253337	Yes	NO CHANGE
75	Minimally connected	262.848691	Yes	NO CHANGE
	Minimally connected	357.2923728	Yes	NO CHANGE
77	Unconnected	110.2275132	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
80	Unconnected Minimally connected	50.918591 94.01146409	Yes	NO DISCHARGE NO CHANGE
82	Reconnected Minimally connected	28.21908431 213.2999096	Yes	NO CHANGE
84	Restored Minimally connected	223.1055481 461.7895308	Yes	NO CHANGE
85	Minimally connected	553.9832268	Yes	NO CHANGE
87	Reconnected Minimally connected	544.2335121 578.6759683	Yes	NO CHANGE
88	Minimally connected	46.82826726	Yes	NO CHANGE
89	Unconnected	102.279086	Yes	NO DISCHARGE
90	Unconnected	221.0668073	Yes	NO DISCHARGE
91	Unconnected	969.7297179	Yes	NO DISCHARGE
92	Unconnected	304.9756492	Yes	NO DISCHARGE
93	Minimally connected	139.3679016	Yes	NO CHANGE
94	Unconnected Minimally connected	72.73607287	Yes	NO DISCHARGE
95	Restored	32.55842363	Yes	NO DISCHARGE
96	Restored	85.16406976	Yes	NO CHANGE
97		1551.78582	Yes	NO DISCHARGE
98		512.338504	Yes	NO DISCHARGE
99		142.8657732	No	ROTATIONAL
100		148.2158494	No	ROTATIONAL
101		161.7730076	No	ROTATIONAL
102		50.73049168	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
106		30.12905383	No	OPEN
107		320.6361941	No	ROTATIONAL
108		119.0234589	No	ROTATIONAL
109		151.9472976	No	ROTATIONAL
110		139.7875075	No	ROTATIONAL
111		14.05293246	No	OPEN
112		79.97280532	No	OPEN
113		44.07778285	No	OPEN
114		38.41315988	No	ROTATIONAL
115		90.92531474	No	ROTATIONAL
116		18.74940302	No	ROTATIONAL
117		17.97889284	No	ROTATIONAL
118		20.16131043	No	ROTATIONAL
119		11.79160458	No	ROTATIONAL
120		16.81744028	No	ROTATIONAL
121		25.59109844	No	ROTATIONAL
122		14.02114596	No	ROTATIONAL
123		10.38539126	No	ROTATIONAL
124		39.09362412	No	ROTATIONAL
125		14.97837432	No	ROTATIONAL
126		12.31589485	No	ROTATIONAL
127		10.7936133	No	ROTATIONAL
128		22.38929482	No	OPEN
129		40.66964743	No	ROTATIONAL
130		51.43427715	No	ROTATIONAL
131		142.8082468	No	ROTATIONAL
132		55.40200006	No	OPEN
133		40.59833677	No	ROTATIONAL
134		44.74665931	No	ROTATIONAL
135		21.82857654	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
136		37.58338667	No	ROTATIONAL
137		30.12710364	No	ROTATIONAL
138		9.464703444	No	ROTATIONAL
139		158.3129965	No	ROTATIONAL
140		65.70600475	No	OPEN
141		67.99756694	No	ROTATIONAL
142		150.4278541	No	ROTATIONAL
143		16.93317096	No	ROTATIONAL
144		27.43281772	No	OPEN
145		60.20890049	No	ROTATIONAL
146		157.2585475	No	ROTATIONAL
147		8.304986042	No	ROTATIONAL
148		105.5758742	No	ROTATIONAL
149		16.10325062	No	ROTATIONAL
150		57.44689389	No	ROTATIONAL
151		11.35573005	No	OPEN
152		236.346139	No	OPEN
153		76.07674657	No	ROTATIONAL
154		260.1070141	No	ROTATIONAL
155		159.6946126	No	ROTATIONAL
156		397.5021716	No	ROTATIONAL
157		58.68693163	No	OPEN
158		2.189586014	No	OPEN
159		6.359299995	No	OPEN
160		8.020482826	No	OPEN
161		120.9866588	No	ROTATIONAL
162		4.532255565	No	OPEN
163		49.42378182	No	OPEN
164		12.21115659	No	OPEN
165		8.806459546	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
166		182.5061341	No	ROTATIONAL
167		608.4117132	No	OPEN
168		171.9961633	No	ROTATIONAL
169		120.6769493	No	ROTATIONAL
170		198.9368011	No	ROTATIONAL
171		42.3222439	No	OPEN
172		155.987261	No	ROTATIONAL
173		352.1702864	No	ROTATIONAL
174		238.4335958	No	ROTATIONAL
175		44.69168853	No	ROTATIONAL
176		34.72759876	No	ROTATIONAL
177		2.311314039	No	OPEN
178		5.223074532	No	OPEN
179		59.47858391	No	ROTATIONAL
180		7.304944087	No	ROTATIONAL
181		48.96138874	No	OPEN
182		4.692455372	No	NO DISCHARGE
183		4.754444032	No	NO DISCHARGE
184		0.811650167	No	NO DISCHARGE
185		130.465404	No	ROTATIONAL
186		125.2443183	No	OPEN
187		79.12670422	No	OPEN
188		30.67585406	No	OPEN
189		149.772203	No	ROTATIONAL
190		24.68420547	No	OPEN ALL YEAR
191		280.8471295	No	ROTATIONAL
192		24.18544491	No	OPEN
193		1291.882239	No	ROTATIONAL
194		747.7397255	No	ROTATIONAL
195		79.57883098	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
196		51.09786652	No	ROTATIONAL
197		11.13014867	No	NO DISCHARGE
198		13.56290545	No	ROTATIONAL
199		100.3673955	No	ROTATIONAL
200		89.2157334	No	NO DISCHARGE
201		187.5349559	No	ROTATIONAL
202		34.24790419	No	ROTATIONAL
203		23.2748784	No	ROTATIONAL
204		125.6240798	No	ROTATIONAL
205		34.59884257	No	ROTATIONAL

Appendix E.12: Impoundment Schedule Table, Year 2006

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
16	Restored	57.35457516	Yes	ROTATIONAL
53	Restored	200.1060827	Yes	ROTATIONAL
65	Restored	92.96730374	Yes	ROTATIONAL
74	Restored	117.6455926	Yes	ROTATIONAL
97	Restored	29.27071838	Yes	ROTATIONAL
17	Restored	108.7201395	Yes	ROTATIONAL
18	Restored	58.7466661	Yes	NO DISCHARGE
62	Restored	188.4115747	Yes	ROTATIONAL
76	Restored	73.64728301	Yes	ROTATIONAL
59	Reconnected	360.2455078	Yes	ROTATIONAL
60	Reconnected	345.455899	Yes	ROTATIONAL
36	Reconnected	372.2568953	Yes	NO DISCHARGE
37	Reconnected	184.3465536	Yes	NO DISCHARGE
39	Reconnected	65.14867332	Yes	NO DISCHARGE
40	Reconnected	909.8476749	Yes	NO DISCHARGE
41	Reconnected	323.297889	Yes	NO DISCHARGE
46	Reconnected	178.9039382	Yes	NO DISCHARGE
	Minimally connected	234.9248581	Yes	NO DISCHARGE
47	Reconnected	62.95595214	Yes	NO DISCHARGE
51	Reconnected	2851.233065	Yes	NO DISCHARGE
54	Reconnected	217.230335	Yes	NO DISCHARGE
55	Reconnected	210.4477956	Yes	NO DISCHARGE
57	Reconnected	597.1420485	Yes	NO DISCHARGE
66	Minimally connected	1462.717873	Yes	NO DISCHARGE
86	Minimally connected	825.9194969	No	NO DISCHARGE
206	Restored	28.91426667	Yes	NO CHANGE
30	Island	25.03145753	Yes	NO CHANGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
2	Island	31.55842814	Yes	NO CHANGE
3	Island	27.89431628	Yes	NO CHANGE
4	Island	6.172373233	Yes	NO CHANGE
5	Island	12.64282595	Yes	NO CHANGE
6	Island	10.1070581	Yes	NO CHANGE
7	Island	9.322032316	Yes	NO CHANGE
8	Island	21.33378309	Yes	NO CHANGE
9	Island	25.5148479	Yes	NO CHANGE
10	Island	9.033578063	Yes	NO CHANGE
11	Island	4.785739373	Yes	NO CHANGE
12	Island	33.25702946	Yes	NO CHANGE
13	Island	9.813980197	Yes	NO CHANGE
14	Island	25.69305304	Yes	NO CHANGE
15	Island	3.480254374	Yes	NO CHANGE
19	Unconnected	28.2731969	Yes	NO DISCHARGE
20	Minimally connected	62.67253143	Yes	NO CHANGE
21	Unconnected	78.10550889	Yes	NO DISCHARGE
22	Unconnected	281.4781666	Yes	NO DISCHARGE
23	Reconnected	1091.045013	Yes	NO CHANGE
24	Restored	94.5888105	Yes	NO CHANGE
25	Restored	39.39464135	Yes	NO CHANGE
26	Restored	88.30149383	Yes	NO CHANGE
27	Restored	60.94708375	Yes	NO CHANGE
28	Restored	46.57212365	Yes	NO CHANGE
29	Restored	39.88483648	Yes	NO CHANGE
31	Restored	147.680411	Yes	NO CHANGE
32	Restored	533.3542508	Yes	NO CHANGE
33	Restored	56.32883888	Yes	NO CHANGE
34	Reconnected	717.0758648	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
35	Reconnected	1392.615791	Yes	NO DISCHARGE
38	Reconnected	78.56295407	Yes	ROTATIONAL
42	Reconnected	716.3477411	Yes	NO DISCHARGE
43	Reconnected	573.6842206	Yes	NO CHANGE
44	Reconnected	334.4043302	Yes	NO CHANGE
45	Reconnected	1066.215514	Yes	NO DISCHARGE
48	Reconnected	327.8245235	Yes	NO DISCHARGE
49	Reconnected	64.0400146	Yes	NO CHANGE
50	Reconnected	172.8281067	Yes	NO CHANGE
52	Reconnected	136.6800384	Yes	NO CHANGE
56	Reconnected	121.2461309	Yes	NO CHANGE
58	Reconnected	892.674957	Yes	NO CHANGE
61	Reconnected	898.1866873	Yes	ROTATIONAL
63	Reconnected	403.8367111	Yes	ROTATIONAL
	Minimally connected	38.48603533	Yes	NO DISCHARGE
64	Unconnected	85.6569842	Yes	NO DISCHARGE
67	Unconnected	140.2748512	Yes	NO DISCHARGE
68	Unconnected	162.8046621	Yes	NO DISCHARGE
69	Reconnected	428.3696038	Yes	NO CHANGE
70	Reconnected	182.7325068	Yes	NO CHANGE
	Minimally connected	259.7757411	Yes	NO CHANGE
72	Reconnected	475.6782707	Yes	NO CHANGE
	Minimally connected	259.253337	Yes	NO CHANGE
75	Minimally connected	262.848691	Yes	NO CHANGE
	Minimally connected	357.2923728	Yes	NO CHANGE
77	Unconnected	110.2275132	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
80	Unconnected Minimally connected	50.918591 94.01146409	Yes	NO DISCHARGE NO CHANGE
82	Reconnected Minimally connected	28.21908431 213.2999096	Yes	NO CHANGE
84	Restored Minimally connected	223.1055481 461.7895308	Yes	NO CHANGE
85	Minimally connected	553.9832268	Yes	NO CHANGE
87	Reconnected Minimally connected	544.2335121 578.6759683	Yes	NO CHANGE
88	Minimally connected	46.82826726	Yes	NO CHANGE
89	Unconnected	102.279086	Yes	NO DISCHARGE
90	Unconnected	221.0668073	Yes	NO DISCHARGE
91	Unconnected	969.7297179	Yes	NO DISCHARGE
92	Unconnected	304.9756492	Yes	NO DISCHARGE
93	Minimally connected	139.3679016	Yes	NO CHANGE
94	Unconnected Minimally connected	72.73607287	Yes	NO DISCHARGE
95	Restored	32.55842363	Yes	NO DISCHARGE
96	Restored	85.16406976	Yes	NO CHANGE
97		1551.78582	Yes	NO DISCHARGE
98		512.338504	Yes	NO DISCHARGE
99		142.8657732	No	ROTATIONAL
100		148.2158494	No	ROTATIONAL
101		161.7730076	No	ROTATIONAL
102		50.73049168	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
106		30.12905383	No	OPEN
107		320.6361941	No	ROTATIONAL
108		119.0234589	No	ROTATIONAL
109		151.9472976	No	ROTATIONAL
110		139.7875075	No	ROTATIONAL
111		14.05293246	No	OPEN
112		79.97280532	No	OPEN
113		44.07778285	No	OPEN
114		38.41315988	No	ROTATIONAL
115		90.92531474	No	ROTATIONAL
116		18.74940302	No	ROTATIONAL
117		17.97889284	No	ROTATIONAL
118		20.16131043	No	ROTATIONAL
119		11.79160458	No	ROTATIONAL
120		16.81744028	No	ROTATIONAL
121		25.59109844	No	ROTATIONAL
122		14.02114596	No	ROTATIONAL
123		10.38539126	No	ROTATIONAL
124		39.09362412	No	ROTATIONAL
125		14.97837432	No	ROTATIONAL
126		12.31589485	No	ROTATIONAL
127		10.7936133	No	ROTATIONAL
128		22.38929482	No	OPEN
129		40.66964743	No	ROTATIONAL
130		51.43427715	No	ROTATIONAL
131		142.8082468	No	ROTATIONAL
132		55.40200006	No	OPEN
133		40.59833677	No	ROTATIONAL
134		44.74665931	No	ROTATIONAL
135		21.82857654	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
136		37.58338667	No	ROTATIONAL
137		30.12710364	No	ROTATIONAL
138		9.464703444	No	ROTATIONAL
139		158.3129965	No	ROTATIONAL
140		65.70600475	No	OPEN
141		67.99756694	No	ROTATIONAL
142		150.4278541	No	ROTATIONAL
143		16.93317096	No	ROTATIONAL
144		27.43281772	No	OPEN
145		60.20890049	No	ROTATIONAL
146		157.2585475	No	ROTATIONAL
147		8.304986042	No	ROTATIONAL
148		105.5758742	No	ROTATIONAL
149		16.10325062	No	ROTATIONAL
150		57.44689389	No	ROTATIONAL
151		11.35573005	No	OPEN
152		236.346139	No	OPEN
153		76.07674657	No	ROTATIONAL
154		260.1070141	No	ROTATIONAL
155		159.6946126	No	ROTATIONAL
156		397.5021716	No	ROTATIONAL
157		58.68693163	No	OPEN
158		2.189586014	No	OPEN
159		6.359299995	No	OPEN
160		8.020482826	No	OPEN
161		120.9866588	No	ROTATIONAL
162		4.532255565	No	OPEN
163		49.42378182	No	OPEN
164		12.21115659	No	OPEN
165		8.806459546	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
166		182.5061341	No	ROTATIONAL
167		608.4117132	No	OPEN
168		171.9961633	No	ROTATIONAL
169		120.6769493	No	ROTATIONAL
170		198.9368011	No	ROTATIONAL
171		42.3222439	No	OPEN
172		155.987261	No	ROTATIONAL
173		352.1702864	No	ROTATIONAL
174		238.4335958	No	ROTATIONAL
175		44.69168853	No	ROTATIONAL
176		34.72759876	No	ROTATIONAL
177		2.311314039	No	OPEN
178		5.223074532	No	OPEN
179		59.47858391	No	ROTATIONAL
180		7.304944087	No	ROTATIONAL
181		48.96138874	No	OPEN
182		4.692455372	No	NO DISCHARGE
183		4.754444032	No	NO DISCHARGE
184		0.811650167	No	NO DISCHARGE
185		130.465404	No	ROTATIONAL
186		125.2443183	No	OPEN
187		79.12670422	No	OPEN
188		30.67585406	No	OPEN
189		149.772203	No	ROTATIONAL
190		24.68420547	No	OPEN ALL YEAR
191		280.8471295	No	ROTATIONAL
192		24.18544491	No	OPEN
193		1291.882239	No	ROTATIONAL
194		747.7397255	No	ROTATIONAL
195		79.57883098	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
196		51.09786652	No	ROTATIONAL
197		11.13014867	No	NO DISCHARGE
198		13.56290545	No	ROTATIONAL
199		100.3673955	No	ROTATIONAL
200		89.2157334	No	NO DISCHARGE
201		187.5349559	No	ROTATIONAL
202		34.24790419	No	ROTATIONAL
203		23.2748784	No	ROTATIONAL
204		125.6240798	No	ROTATIONAL
205		34.59884257	No	ROTATIONAL

Appendix E.13: Impoundment Schedule Table, Year 2007

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
16	Restored	57.35457516	Yes	ROTATIONAL
53	Restored	200.1060827	Yes	ROTATIONAL
65	Restored	92.96730374	Yes	ROTATIONAL
74	Restored	117.6455926	Yes	ROTATIONAL
97	Restored	29.27071838	Yes	ROTATIONAL
17	Restored	108.7201395	Yes	ROTATIONAL
18	Restored	58.7466661	Yes	NO DISCHARGE
62	Restored	188.4115747	Yes	ROTATIONAL
76	Restored	73.64728301	Yes	ROTATIONAL
59	Reconnected	360.2455078	Yes	ROTATIONAL
60	Reconnected	345.455899	Yes	ROTATIONAL
36	Reconnected	372.2568953	Yes	NO DISCHARGE
37	Reconnected	184.3465536	Yes	NO DISCHARGE
39	Reconnected	65.14867332	Yes	NO DISCHARGE
40	Reconnected	909.8476749	Yes	NO DISCHARGE
41	Reconnected	323.297889	Yes	NO DISCHARGE
46	Reconnected	178.9039382	Yes	NO DISCHARGE
	Minimally connected	234.9248581	Yes	NO DISCHARGE
47	Reconnected	62.95595214	Yes	NO DISCHARGE
51	Reconnected	2851.233065	Yes	NO DISCHARGE
54	Reconnected	217.230335	Yes	NO DISCHARGE
55	Reconnected	210.4477956	Yes	NO DISCHARGE
57	Reconnected	597.1420485	Yes	NO DISCHARGE
66	Minimally connected	1462.717873	Yes	NO DISCHARGE
86	Minimally connected	825.9194969	No	NO DISCHARGE
206	Restored	28.91426667	Yes	NO CHANGE
30	Island	25.03145753	Yes	NO CHANGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
2	Island	31.55842814	Yes	NO CHANGE
3	Island	27.89431628	Yes	NO CHANGE
4	Island	6.172373233	Yes	NO CHANGE
5	Island	12.64282595	Yes	NO CHANGE
6	Island	10.1070581	Yes	NO CHANGE
7	Island	9.322032316	Yes	NO CHANGE
8	Island	21.33378309	Yes	NO CHANGE
9	Island	25.5148479	Yes	NO CHANGE
10	Island	9.033578063	Yes	NO CHANGE
11	Island	4.785739373	Yes	NO CHANGE
12	Island	33.25702946	Yes	NO CHANGE
13	Island	9.813980197	Yes	NO CHANGE
14	Island	25.69305304	Yes	NO CHANGE
15	Island	3.480254374	Yes	NO CHANGE
19	Unconnected	28.2731969	Yes	NO DISCHARGE
20	Minimally connected	62.67253143	Yes	NO CHANGE
21	Unconnected	78.10550889	Yes	NO DISCHARGE
22	Unconnected	281.4781666	Yes	NO DISCHARGE
23	Reconnected	1091.045013	Yes	NO CHANGE
24	Restored	94.5888105	Yes	NO CHANGE
25	Restored	39.39464135	Yes	NO CHANGE
26	Restored	88.30149383	Yes	NO CHANGE
27	Restored	60.94708375	Yes	NO CHANGE
28	Restored	46.57212365	Yes	NO CHANGE
29	Restored	39.88483648	Yes	NO CHANGE
31	Restored	147.680411	Yes	NO CHANGE
32	Restored	533.3542508	Yes	NO CHANGE
33	Restored	56.32883888	Yes	NO CHANGE
34	Reconnected	717.0758648	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
35	Reconnected	1392.615791	Yes	NO DISCHARGE
38	Reconnected	78.56295407	Yes	ROTATIONAL
42	Reconnected	716.3477411	Yes	NO DISCHARGE
43	Reconnected	573.6842206	Yes	NO CHANGE
44	Reconnected	334.4043302	Yes	NO CHANGE
45	Reconnected	1066.215514	Yes	NO DISCHARGE
48	Reconnected	327.8245235	Yes	NO DISCHARGE
49	Reconnected	64.0400146	Yes	NO CHANGE
50	Reconnected	172.8281067	Yes	NO CHANGE
52	Reconnected	136.6800384	Yes	NO CHANGE
56	Reconnected	121.2461309	Yes	NO CHANGE
58	Reconnected	892.674957	Yes	NO CHANGE
61	Reconnected	898.1866873	Yes	ROTATIONAL
63	Reconnected	403.8367111	Yes	ROTATIONAL
	Minimally connected	38.48603533	Yes	NO DISCHARGE
64	Unconnected	85.6569842	Yes	NO DISCHARGE
67	Unconnected	140.2748512	Yes	NO DISCHARGE
68	Unconnected	162.8046621	Yes	NO DISCHARGE
69	Reconnected	428.3696038	Yes	NO CHANGE
70	Reconnected	182.7325068	Yes	NO CHANGE
	Minimally connected	259.7757411	Yes	NO CHANGE
72	Reconnected	475.6782707	Yes	NO CHANGE
	Minimally connected	259.253337	Yes	NO CHANGE
75	Minimally connected	262.848691	Yes	NO CHANGE
	Minimally connected	357.2923728	Yes	NO CHANGE
77	Unconnected	110.2275132	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
80	Unconnected	50.918591	Yes	NO DISCHARGE
	Minimally connected			
81	connected	94.01146409	Yes	NO CHANGE
82	Reconnected	28.21908431	Yes	NO CHANGE
	Minimally connected			
83	connected	213.2999096	Yes	NO CHANGE
84	Restored	223.1055481	Yes	NO CHANGE
	Minimally connected			
85	connected	461.7895308	Yes	NO CHANGE
	Minimally connected			
87	connected	553.9832268	Yes	NO CHANGE
88	Reconnected	544.2335121	Yes	NO CHANGE
	Minimally connected			
89	connected	578.6759683	Yes	NO CHANGE
90	Unconnected	46.82826726	Yes	NO DISCHARGE
91	Unconnected	102.279086	Yes	NO DISCHARGE
92	Unconnected	221.0668073	Yes	NO DISCHARGE
93	Unconnected	969.7297179	Yes	NO DISCHARGE
94	Unconnected	304.9756492	Yes	NO DISCHARGE
	Minimally connected			
95	connected	139.3679016	Yes	NO CHANGE
	Minimally connected			
96	connected	72.73607287	Yes	NO DISCHARGE
98	Restored	32.55842363	Yes	NO DISCHARGE
99	Restored	85.16406976	Yes	NO CHANGE
100		1551.78582	Yes	NO DISCHARGE
101		512.338504	Yes	NO DISCHARGE
102		142.8657732	No	ROTATIONAL
103		148.2158494	No	ROTATIONAL
104		161.7730076	No	ROTATIONAL
105		50.73049168	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
106		30.12905383	No	OPEN
107		320.6361941	No	ROTATIONAL
108		119.0234589	No	ROTATIONAL
109		151.9472976	No	ROTATIONAL
110		139.7875075	No	ROTATIONAL
111		14.05293246	No	OPEN
112		79.97280532	No	OPEN
113		44.07778285	No	OPEN
114		38.41315988	No	ROTATIONAL
115		90.92531474	No	ROTATIONAL
116		18.74940302	No	ROTATIONAL
117		17.97889284	No	ROTATIONAL
118		20.16131043	No	ROTATIONAL
119		11.79160458	No	ROTATIONAL
120		16.81744028	No	ROTATIONAL
121		25.59109844	No	ROTATIONAL
122		14.02114596	No	ROTATIONAL
123		10.38539126	No	ROTATIONAL
124		39.09362412	No	ROTATIONAL
125		14.97837432	No	ROTATIONAL
126		12.31589485	No	ROTATIONAL
127		10.7936133	No	ROTATIONAL
128		22.38929482	No	OPEN
129		40.66964743	No	ROTATIONAL
130		51.43427715	No	ROTATIONAL
131		142.8082468	No	ROTATIONAL
132		55.40200006	No	OPEN
133		40.59833677	No	ROTATIONAL
134		44.74665931	No	ROTATIONAL
135		21.82857654	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
136		37.58338667	No	ROTATIONAL
137		30.12710364	No	ROTATIONAL
138		9.464703444	No	ROTATIONAL
139		158.3129965	No	ROTATIONAL
140		65.70600475	No	OPEN
141		67.99756694	No	ROTATIONAL
142		150.4278541	No	ROTATIONAL
143		16.93317096	No	ROTATIONAL
144		27.43281772	No	OPEN
145		60.20890049	No	ROTATIONAL
146		157.2585475	No	ROTATIONAL
147		8.304986042	No	ROTATIONAL
148		105.5758742	No	ROTATIONAL
149		16.10325062	No	ROTATIONAL
150		57.44689389	No	ROTATIONAL
151		11.35573005	No	OPEN
152		236.346139	No	OPEN
153		76.07674657	No	ROTATIONAL
154		260.1070141	No	ROTATIONAL
155		159.6946126	No	ROTATIONAL
156		397.5021716	No	ROTATIONAL
157		58.68693163	No	OPEN
158		2.189586014	No	OPEN
159		6.359299995	No	OPEN
160		8.020482826	No	OPEN
161		120.9866588	No	ROTATIONAL
162		4.532255565	No	OPEN
163		49.42378182	No	OPEN
164		12.21115659	No	OPEN
165		8.806459546	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
166		182.5061341	No	ROTATIONAL
167		608.4117132	No	OPEN
168		171.9961633	No	ROTATIONAL
169		120.6769493	No	ROTATIONAL
170		198.9368011	No	ROTATIONAL
171		42.3222439	No	OPEN
172		155.987261	No	ROTATIONAL
173		352.1702864	No	ROTATIONAL
174		238.4335958	No	ROTATIONAL
175		44.69168853	No	ROTATIONAL
176		34.72759876	No	ROTATIONAL
177		2.311314039	No	OPEN
178		5.223074532	No	OPEN
179		59.47858391	No	ROTATIONAL
180		7.304944087	No	ROTATIONAL
181		48.96138874	No	OPEN
182		4.692455372	No	NO DISCHARGE
183		4.754444032	No	NO DISCHARGE
184		0.811650167	No	NO DISCHARGE
185		130.465404	No	ROTATIONAL
186		125.2443183	No	OPEN
187		79.12670422	No	OPEN
188		30.67585406	No	OPEN
189		149.772203	No	ROTATIONAL
190		24.68420547	No	OPEN ALL YEAR
191		280.8471295	No	ROTATIONAL
192		24.18544491	No	OPEN
193		1291.882239	No	ROTATIONAL
194		747.7397255	No	ROTATIONAL
195		79.57883098	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
196		51.09786652	No	ROTATIONAL
197		11.13014867	No	NO DISCHARGE
198		13.56290545	No	ROTATIONAL
199		100.3673955	No	ROTATIONAL
200		89.2157334	No	NO DISCHARGE
201		187.5349559	No	ROTATIONAL
202		34.24790419	No	ROTATIONAL
203		23.2748784	No	ROTATIONAL
204		125.6240798	No	ROTATIONAL
205		34.59884257	No	ROTATIONAL

Appendix E.14: Impoundment Schedule Table, Year 2008

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
16	Restored	57.35457516	Yes	ROTATIONAL
53	Restored	200.1060827	Yes	ROTATIONAL
65	Restored	92.96730374	Yes	ROTATIONAL
74	Restored	117.6455926	Yes	ROTATIONAL
97	Restored	29.27071838	Yes	ROTATIONAL
17	Restored	108.7201395	Yes	ROTATIONAL
18	Restored	58.7466661	Yes	NO DISCHARGE
62	Restored	188.4115747	Yes	ROTATIONAL
76	Restored	73.64728301	Yes	NO CHANGE
59	Reconnected	360.2455078	Yes	ROTATIONAL
60	Reconnected	345.455899	Yes	ROTATIONAL
36	Reconnected	372.2568953	Yes	NO DISCHARGE
37	Reconnected	184.3465536	Yes	NO DISCHARGE
39	Reconnected	65.14867332	Yes	NO DISCHARGE
40	Reconnected	909.8476749	Yes	NO DISCHARGE
41	Reconnected	323.297889	Yes	NO DISCHARGE
46	Reconnected	178.9039382	Yes	NO DISCHARGE
	Minimally connected	234.9248581	Yes	NO DISCHARGE
47	Reconnected	62.95595214	Yes	NO DISCHARGE
51	Reconnected	2851.233065	Yes	NO DISCHARGE
54	Reconnected	217.230335	Yes	NO DISCHARGE
55	Reconnected	210.4477956	Yes	NO DISCHARGE
57	Reconnected	597.1420485	Yes	NO DISCHARGE
66	Minimally connected	1462.717873	Yes	NO DISCHARGE
86	Minimally connected	825.9194969	No	NO DISCHARGE
206	Restored	28.91426667	Yes	NO CHANGE
30	Island	25.03145753	Yes	NO CHANGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
2	Island	31.55842814	Yes	NO CHANGE
3	Island	27.89431628	Yes	NO CHANGE
4	Island	6.172373233	Yes	NO CHANGE
5	Island	12.64282595	Yes	NO CHANGE
6	Island	10.1070581	Yes	NO CHANGE
7	Island	9.322032316	Yes	NO CHANGE
8	Island	21.33378309	Yes	NO CHANGE
9	Island	25.5148479	Yes	NO CHANGE
10	Island	9.033578063	Yes	NO CHANGE
11	Island	4.785739373	Yes	NO CHANGE
12	Island	33.25702946	Yes	NO CHANGE
13	Island	9.813980197	Yes	NO CHANGE
14	Island	25.69305304	Yes	NO CHANGE
15	Island	3.480254374	Yes	NO CHANGE
19	Unconnected	28.2731969	Yes	NO DISCHARGE
20	Minimally connected	62.67253143	Yes	NO CHANGE
21	Unconnected	78.10550889	Yes	NO DISCHARGE
22	Unconnected	281.4781666	Yes	NO DISCHARGE
23	Reconnected	1091.045013	Yes	NO CHANGE
24	Restored	94.5888105	Yes	NO CHANGE
25	Restored	39.39464135	Yes	NO CHANGE
26	Restored	88.30149383	Yes	NO CHANGE
27	Restored	60.94708375	Yes	NO CHANGE
28	Restored	46.57212365	Yes	NO CHANGE
29	Restored	39.88483648	Yes	NO CHANGE
31	Restored	147.680411	Yes	NO CHANGE
32	Restored	533.3542508	Yes	NO CHANGE
33	Restored	56.32883888	Yes	NO CHANGE
34	Reconnected	717.0758648	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
35	Reconnected	1392.615791	Yes	NO DISCHARGE
38	Reconnected	78.56295407	Yes	ROTATIONAL
42	Reconnected	716.3477411	Yes	NO DISCHARGE
43	Reconnected	573.6842206	Yes	NO CHANGE
44	Reconnected	334.4043302	Yes	NO CHANGE
45	Reconnected	1066.215514	Yes	NO DISCHARGE
48	Reconnected	327.8245235	Yes	NO DISCHARGE
49	Reconnected	64.0400146	Yes	NO CHANGE
50	Reconnected	172.8281067	Yes	NO CHANGE
52	Reconnected	136.6800384	Yes	NO CHANGE
56	Reconnected	121.2461309	Yes	NO CHANGE
58	Reconnected	892.674957	Yes	NO CHANGE
61	Reconnected	898.1866873	Yes	ROTATIONAL
63	Reconnected	403.8367111	Yes	ROTATIONAL
	Minimally connected	38.48603533	Yes	NO DISCHARGE
64	Unconnected	85.6569842	Yes	NO DISCHARGE
67	Unconnected	140.2748512	Yes	NO DISCHARGE
68	Unconnected	162.8046621	Yes	NO DISCHARGE
69	Reconnected	428.3696038	Yes	NO CHANGE
70	Reconnected	182.7325068	Yes	NO CHANGE
	Minimally connected	259.7757411	Yes	NO CHANGE
72	Reconnected	475.6782707	Yes	NO CHANGE
	Minimally connected	259.253337	Yes	NO CHANGE
75	Minimally connected	262.848691	Yes	NO CHANGE
	Minimally connected	357.2923728	Yes	NO CHANGE
77	Unconnected	110.2275132	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
80	Unconnected Minimally connected	50.918591 94.01146409	Yes	NO DISCHARGE NO CHANGE
82	Reconnected Minimally connected	28.21908431 213.2999096	Yes	NO CHANGE
84	Restored Minimally connected	223.1055481 461.7895308	Yes	NO CHANGE
85	Minimally connected	553.9832268	Yes	NO CHANGE
87	Reconnected Minimally connected	544.2335121 578.6759683	Yes	NO CHANGE
88	Minimally connected	46.82826726	Yes	NO CHANGE
89	Unconnected	102.279086	Yes	NO DISCHARGE
90	Unconnected	221.0668073	Yes	NO DISCHARGE
91	Unconnected	969.7297179	Yes	NO DISCHARGE
92	Unconnected	304.9756492	Yes	NO DISCHARGE
93	Minimally connected	139.3679016	Yes	NO CHANGE
94	Unconnected Minimally connected	72.73607287	Yes	NO DISCHARGE
95	Restored	32.55842363	Yes	NO DISCHARGE
96	Restored	85.16406976	Yes	NO CHANGE
97		1551.78582	Yes	NO DISCHARGE
98		512.338504	Yes	NO DISCHARGE
99		142.8657732	No	ROTATIONAL
100		148.2158494	No	ROTATIONAL
101		161.7730076	No	ROTATIONAL
102		50.73049168	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
106		30.12905383	No	OPEN
107		320.6361941	No	ROTATIONAL
108		119.0234589	No	ROTATIONAL
109		151.9472976	No	ROTATIONAL
110		139.7875075	No	ROTATIONAL
111		14.05293246	No	OPEN
112		79.97280532	No	OPEN
113		44.07778285	No	OPEN
114		38.41315988	No	ROTATIONAL
115		90.92531474	No	ROTATIONAL
116		18.74940302	No	ROTATIONAL
117		17.97889284	No	ROTATIONAL
118		20.16131043	No	ROTATIONAL
119		11.79160458	No	ROTATIONAL
120		16.81744028	No	ROTATIONAL
121		25.59109844	No	ROTATIONAL
122		14.02114596	No	ROTATIONAL
123		10.38539126	No	ROTATIONAL
124		39.09362412	No	ROTATIONAL
125		14.97837432	No	ROTATIONAL
126		12.31589485	No	ROTATIONAL
127		10.7936133	No	ROTATIONAL
128		22.38929482	No	OPEN
129		40.66964743	No	ROTATIONAL
130		51.43427715	No	ROTATIONAL
131		142.8082468	No	ROTATIONAL
132		55.40200006	No	OPEN
133		40.59833677	No	ROTATIONAL
134		44.74665931	No	ROTATIONAL
135		21.82857654	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
136		37.58338667	No	ROTATIONAL
137		30.12710364	No	ROTATIONAL
138		9.464703444	No	ROTATIONAL
139		158.3129965	No	ROTATIONAL
140		65.70600475	No	OPEN
141		67.99756694	No	ROTATIONAL
142		150.4278541	No	ROTATIONAL
143		16.93317096	No	ROTATIONAL
144		27.43281772	No	OPEN
145		60.20890049	No	ROTATIONAL
146		157.2585475	No	ROTATIONAL
147		8.304986042	No	ROTATIONAL
148		105.5758742	No	ROTATIONAL
149		16.10325062	No	ROTATIONAL
150		57.44689389	No	ROTATIONAL
151		11.35573005	No	OPEN
152		236.346139	No	OPEN
153		76.07674657	No	ROTATIONAL
154		260.1070141	No	ROTATIONAL
155		159.6946126	No	ROTATIONAL
156		397.5021716	No	ROTATIONAL
157		58.68693163	No	OPEN
158		2.189586014	No	OPEN
159		6.359299995	No	OPEN
160		8.020482826	No	OPEN
161		120.9866588	No	ROTATIONAL
162		4.532255565	No	OPEN
163		49.42378182	No	OPEN
164		12.21115659	No	OPEN
165		8.806459546	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
166		182.5061341	No	ROTATIONAL
167		608.4117132	No	OPEN
168		171.9961633	No	ROTATIONAL
169		120.6769493	No	ROTATIONAL
170		198.9368011	No	ROTATIONAL
171		42.3222439	No	OPEN
172		155.987261	No	ROTATIONAL
173		352.1702864	No	ROTATIONAL
174		238.4335958	No	ROTATIONAL
175		44.69168853	No	ROTATIONAL
176		34.72759876	No	ROTATIONAL
177		2.311314039	No	OPEN
178		5.223074532	No	OPEN
179		59.47858391	No	ROTATIONAL
180		7.304944087	No	ROTATIONAL
181		48.96138874	No	OPEN
182		4.692455372	No	NO DISCHARGE
183		4.754444032	No	NO DISCHARGE
184		0.811650167	No	NO DISCHARGE
185		130.465404	No	ROTATIONAL
186		125.2443183	No	OPEN
187		79.12670422	No	OPEN
188		30.67585406	No	OPEN
189		149.772203	No	ROTATIONAL
190		24.68420547	No	OPEN ALL YEAR
191		280.8471295	No	ROTATIONAL
192		24.18544491	No	OPEN
193		1291.882239	No	ROTATIONAL
194		747.7397255	No	ROTATIONAL
195		79.57883098	No	ROTATIONAL

<u>IMPOUND_ID</u>	<u>IMPOUND_TYPE</u>	<u>IMPOUND_ACRES</u>	<u>BURN_UNIT</u>	<u>IMPOUND_SCHEME</u>
196		51.09786652	No	ROTATIONAL
197		11.13014867	No	NO DISCHARGE
198		13.56290545	No	ROTATIONAL
199		100.3673955	No	ROTATIONAL
200		89.2157334	No	NO DISCHARGE
201		187.5349559	No	ROTATIONAL
202		34.24790419	No	ROTATIONAL
203		23.2748784	No	ROTATIONAL
204		125.6240798	No	ROTATIONAL
205		34.59884257	No	ROTATIONAL

Appendix E.15: Impoundment Schedule Table, Year 2009

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
16	Restored	57.35457516	Yes	ROTATIONAL
53	Restored	200.1060827	Yes	ROTATIONAL
65	Restored	92.96730374	Yes	ROTATIONAL
74	Restored	117.6455926	Yes	ROTATIONAL
97	Restored	29.27071838	Yes	ROTATIONAL
17	Restored	108.7201395	Yes	NO CHANGE
18	Restored	58.7466661	Yes	NO CHANGE
62	Restored	188.4115747	Yes	NO CHANGE
76	Restored	73.64728301	Yes	NO CHANGE
59	Reconnected	360.2455078	Yes	ROTATIONAL
60	Reconnected	345.455899	Yes	ROTATIONAL
36	Reconnected	372.2568953	Yes	NO DISCHARGE
37	Reconnected	184.3465536	Yes	NO DISCHARGE
39	Reconnected	65.14867332	Yes	NO DISCHARGE
40	Reconnected	909.8476749	Yes	NO DISCHARGE
41	Reconnected	323.297889	Yes	NO DISCHARGE
46	Reconnected	178.9039382	Yes	NO DISCHARGE
	Minimally connected	234.9248581	Yes	NO DISCHARGE
47	Reconnected	62.95595214	Yes	NO DISCHARGE
51	Reconnected	2851.233065	Yes	NO DISCHARGE
54	Reconnected	217.230335	Yes	NO DISCHARGE
55	Reconnected	210.4477956	Yes	NO DISCHARGE
57	Reconnected	597.1420485	Yes	NO DISCHARGE
66	Minimally connected	1462.717873	Yes	NO DISCHARGE
86	Minimally connected	825.9194969	No	NO DISCHARGE
206	Restored	28.91426667	Yes	NO CHANGE
30	Island	25.03145753	Yes	NO CHANGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
2	Island	31.55842814	Yes	NO CHANGE
3	Island	27.89431628	Yes	NO CHANGE
4	Island	6.172373233	Yes	NO CHANGE
5	Island	12.64282595	Yes	NO CHANGE
6	Island	10.1070581	Yes	NO CHANGE
7	Island	9.322032316	Yes	NO CHANGE
8	Island	21.33378309	Yes	NO CHANGE
9	Island	25.5148479	Yes	NO CHANGE
10	Island	9.033578063	Yes	NO CHANGE
11	Island	4.785739373	Yes	NO CHANGE
12	Island	33.25702946	Yes	NO CHANGE
13	Island	9.813980197	Yes	NO CHANGE
14	Island	25.69305304	Yes	NO CHANGE
15	Island	3.480254374	Yes	NO CHANGE
19	Unconnected	28.2731969	Yes	NO DISCHARGE
20	Minimally connected	62.67253143	Yes	NO CHANGE
21	Unconnected	78.10550889	Yes	NO DISCHARGE
22	Unconnected	281.4781666	Yes	NO DISCHARGE
23	Reconnected	1091.045013	Yes	NO CHANGE
24	Restored	94.5888105	Yes	NO CHANGE
25	Restored	39.39464135	Yes	NO CHANGE
26	Restored	88.30149383	Yes	NO CHANGE
27	Restored	60.94708375	Yes	NO CHANGE
28	Restored	46.57212365	Yes	NO CHANGE
29	Restored	39.88483648	Yes	NO CHANGE
31	Restored	147.680411	Yes	NO CHANGE
32	Restored	533.3542508	Yes	NO CHANGE
33	Restored	56.32883888	Yes	NO CHANGE
34	Reconnected	717.0758648	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
35	Reconnected	1392.615791	Yes	NO DISCHARGE
38	Reconnected	78.56295407	Yes	ROTATIONAL
42	Reconnected	716.3477411	Yes	NO DISCHARGE
43	Reconnected	573.6842206	Yes	NO CHANGE
44	Reconnected	334.4043302	Yes	NO CHANGE
45	Reconnected	1066.215514	Yes	NO DISCHARGE
48	Reconnected	327.8245235	Yes	NO DISCHARGE
49	Reconnected	64.0400146	Yes	NO CHANGE
50	Reconnected	172.8281067	Yes	NO CHANGE
52	Reconnected	136.6800384	Yes	NO CHANGE
56	Reconnected	121.2461309	Yes	NO CHANGE
58	Reconnected	892.674957	Yes	NO CHANGE
61	Reconnected	898.1866873	Yes	ROTATIONAL
63	Reconnected	403.8367111	Yes	ROTATIONAL
	Minimally connected	38.48603533	Yes	NO DISCHARGE
64	Unconnected	85.6569842	Yes	NO DISCHARGE
67	Unconnected	140.2748512	Yes	NO DISCHARGE
68	Unconnected	162.8046621	Yes	NO DISCHARGE
69	Reconnected	428.3696038	Yes	NO CHANGE
70	Reconnected	182.7325068	Yes	NO CHANGE
	Minimally connected	259.7757411	Yes	NO CHANGE
72	Reconnected	475.6782707	Yes	NO CHANGE
	Minimally connected	259.253337	Yes	NO CHANGE
75	Minimally connected	262.848691	Yes	NO CHANGE
	Minimally connected	357.2923728	Yes	NO CHANGE
77	Unconnected	110.2275132	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
80	Unconnected Minimally connected	50.918591 94.01146409	Yes	NO DISCHARGE NO CHANGE
82	Reconnected Minimally connected	28.21908431 213.2999096	Yes	NO CHANGE
84	Restored Minimally connected	223.1055481 461.7895308	Yes	NO CHANGE
85	Minimally connected	553.9832268	Yes	NO CHANGE
87	Reconnected Minimally connected	544.2335121 578.6759683	Yes	NO CHANGE
88	Minimally connected	46.82826726	Yes	NO CHANGE
89	Unconnected	102.279086	Yes	NO DISCHARGE
90	Unconnected	221.0668073	Yes	NO DISCHARGE
91	Unconnected	969.7297179	Yes	NO DISCHARGE
92	Unconnected	304.9756492	Yes	NO DISCHARGE
93	Minimally connected	139.3679016	Yes	NO CHANGE
94	Unconnected Minimally connected	72.73607287	Yes	NO DISCHARGE
95	Restored	32.55842363	Yes	NO DISCHARGE
96	Restored	85.16406976	Yes	NO CHANGE
97		1551.78582	Yes	NO DISCHARGE
98		512.338504	Yes	NO DISCHARGE
99		142.8657732	No	ROTATIONAL
100		148.2158494	No	ROTATIONAL
101		161.7730076	No	ROTATIONAL
102		50.73049168	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
106		30.12905383	No	OPEN
107		320.6361941	No	ROTATIONAL
108		119.0234589	No	ROTATIONAL
109		151.9472976	No	ROTATIONAL
110		139.7875075	No	ROTATIONAL
111		14.05293246	No	OPEN
112		79.97280532	No	OPEN
113		44.07778285	No	OPEN
114		38.41315988	No	ROTATIONAL
115		90.92531474	No	ROTATIONAL
116		18.74940302	No	ROTATIONAL
117		17.97889284	No	ROTATIONAL
118		20.16131043	No	ROTATIONAL
119		11.79160458	No	ROTATIONAL
120		16.81744028	No	ROTATIONAL
121		25.59109844	No	ROTATIONAL
122		14.02114596	No	ROTATIONAL
123		10.38539126	No	ROTATIONAL
124		39.09362412	No	ROTATIONAL
125		14.97837432	No	ROTATIONAL
126		12.31589485	No	ROTATIONAL
127		10.7936133	No	ROTATIONAL
128		22.38929482	No	OPEN
129		40.66964743	No	ROTATIONAL
130		51.43427715	No	ROTATIONAL
131		142.8082468	No	ROTATIONAL
132		55.40200006	No	OPEN
133		40.59833677	No	ROTATIONAL
134		44.74665931	No	ROTATIONAL
135		21.82857654	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
136		37.58338667	No	ROTATIONAL
137		30.12710364	No	ROTATIONAL
138		9.464703444	No	ROTATIONAL
139		158.3129965	No	ROTATIONAL
140		65.70600475	No	OPEN
141		67.99756694	No	ROTATIONAL
142		150.4278541	No	ROTATIONAL
143		16.93317096	No	ROTATIONAL
144		27.43281772	No	OPEN
145		60.20890049	No	ROTATIONAL
146		157.2585475	No	ROTATIONAL
147		8.304986042	No	ROTATIONAL
148		105.5758742	No	ROTATIONAL
149		16.10325062	No	ROTATIONAL
150		57.44689389	No	ROTATIONAL
151		11.35573005	No	OPEN
152		236.346139	No	OPEN
153		76.07674657	No	ROTATIONAL
154		260.1070141	No	ROTATIONAL
155		159.6946126	No	ROTATIONAL
156		397.5021716	No	ROTATIONAL
157		58.68693163	No	OPEN
158		2.189586014	No	OPEN
159		6.359299995	No	OPEN
160		8.020482826	No	OPEN
161		120.9866588	No	ROTATIONAL
162		4.532255565	No	OPEN
163		49.42378182	No	OPEN
164		12.21115659	No	OPEN
165		8.806459546	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
166		182.5061341	No	ROTATIONAL
167		608.4117132	No	OPEN
168		171.9961633	No	ROTATIONAL
169		120.6769493	No	ROTATIONAL
170		198.9368011	No	ROTATIONAL
171		42.3222439	No	OPEN
172		155.987261	No	ROTATIONAL
173		352.1702864	No	ROTATIONAL
174		238.4335958	No	ROTATIONAL
175		44.69168853	No	ROTATIONAL
176		34.72759876	No	ROTATIONAL
177		2.311314039	No	OPEN
178		5.223074532	No	OPEN
179		59.47858391	No	ROTATIONAL
180		7.304944087	No	ROTATIONAL
181		48.96138874	No	OPEN
182		4.692455372	No	NO DISCHARGE
183		4.754444032	No	NO DISCHARGE
184		0.811650167	No	NO DISCHARGE
185		130.465404	No	ROTATIONAL
186		125.2443183	No	OPEN
187		79.12670422	No	OPEN
188		30.67585406	No	OPEN
189		149.772203	No	ROTATIONAL
190		24.68420547	No	OPEN ALL YEAR
191		280.8471295	No	ROTATIONAL
192		24.18544491	No	OPEN
193		1291.882239	No	ROTATIONAL
194		747.7397255	No	ROTATIONAL
195		79.57883098	No	ROTATIONAL

<u>IMPOUND_ID</u>	<u>IMPOUND_TYPE</u>	<u>IMPOUND_ACRES</u>	<u>BURN_UNIT</u>	<u>IMPOUND_SCHEME</u>
196		51.09786652	No	ROTATIONAL
197		11.13014867	No	NO DISCHARGE
198		13.56290545	No	ROTATIONAL
199		100.3673955	No	ROTATIONAL
200		89.2157334	No	NO DISCHARGE
201		187.5349559	No	ROTATIONAL
202		34.24790419	No	ROTATIONAL
203		23.2748784	No	ROTATIONAL
204		125.6240798	No	ROTATIONAL
205		34.59884257	No	ROTATIONAL

Appendix E.16: Impoundment Schedule Table, Year 2010

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
16	Restored	57.35457516	Yes	NO CHANGE
53	Restored	200.1060827	Yes	NO CHANGE
65	Restored	92.96730374	Yes	NO CHANGE
74	Restored	117.6455926	Yes	NO CHANGE
97	Restored	29.27071838	Yes	NO CHANGE
17	Restored	108.7201395	Yes	NO CHANGE
18	Restored	58.7466661	Yes	NO CHANGE
62	Restored	188.4115747	Yes	NO CHANGE
76	Restored	73.64728301	Yes	NO CHANGE
59	Reconnected	360.2455078	Yes	ROTATIONAL
60	Reconnected	345.455899	Yes	ROTATIONAL
36	Reconnected	372.2568953	Yes	NO DISCHARGE
37	Reconnected	184.3465536	Yes	NO DISCHARGE
39	Reconnected	65.14867332	Yes	NO DISCHARGE
40	Reconnected	909.8476749	Yes	NO DISCHARGE
41	Reconnected	323.297889	Yes	NO DISCHARGE
46	Reconnected	178.9039382	Yes	NO DISCHARGE
	Minimally connected	234.9248581	Yes	NO DISCHARGE
47	Reconnected	62.95595214	Yes	NO DISCHARGE
51	Reconnected	2851.233065	Yes	NO DISCHARGE
54	Reconnected	217.230335	Yes	NO DISCHARGE
55	Reconnected	210.4477956	Yes	NO DISCHARGE
57	Reconnected	597.1420485	Yes	NO DISCHARGE
66	Minimally connected	1462.717873	Yes	NO DISCHARGE
86	Minimally connected	825.9194969	No	NO DISCHARGE
206	Restored	28.91426667	Yes	NO CHANGE
30	Island	25.03145753	Yes	NO CHANGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
2	Island	31.55842814	Yes	NO CHANGE
3	Island	27.89431628	Yes	NO CHANGE
4	Island	6.172373233	Yes	NO CHANGE
5	Island	12.64282595	Yes	NO CHANGE
6	Island	10.1070581	Yes	NO CHANGE
7	Island	9.322032316	Yes	NO CHANGE
8	Island	21.33378309	Yes	NO CHANGE
9	Island	25.5148479	Yes	NO CHANGE
10	Island	9.033578063	Yes	NO CHANGE
11	Island	4.785739373	Yes	NO CHANGE
12	Island	33.25702946	Yes	NO CHANGE
13	Island	9.813980197	Yes	NO CHANGE
14	Island	25.69305304	Yes	NO CHANGE
15	Island	3.480254374	Yes	NO CHANGE
19	Unconnected	28.2731969	Yes	NO DISCHARGE
20	Minimally connected	62.67253143	Yes	NO CHANGE
21	Unconnected	78.10550889	Yes	NO DISCHARGE
22	Unconnected	281.4781666	Yes	NO DISCHARGE
23	Reconnected	1091.045013	Yes	NO CHANGE
24	Restored	94.5888105	Yes	NO CHANGE
25	Restored	39.39464135	Yes	NO CHANGE
26	Restored	88.30149383	Yes	NO CHANGE
27	Restored	60.94708375	Yes	NO CHANGE
28	Restored	46.57212365	Yes	NO CHANGE
29	Restored	39.88483648	Yes	NO CHANGE
31	Restored	147.680411	Yes	NO CHANGE
32	Restored	533.3542508	Yes	NO CHANGE
33	Restored	56.32883888	Yes	NO CHANGE
34	Reconnected	717.0758648	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
35	Reconnected	1392.615791	Yes	NO DISCHARGE
38	Reconnected	78.56295407	Yes	ROTATIONAL
42	Reconnected	716.3477411	Yes	NO DISCHARGE
43	Reconnected	573.6842206	Yes	NO CHANGE
44	Reconnected	334.4043302	Yes	NO CHANGE
45	Reconnected	1066.215514	Yes	NO DISCHARGE
48	Reconnected	327.8245235	Yes	NO DISCHARGE
49	Reconnected	64.0400146	Yes	NO CHANGE
50	Reconnected	172.8281067	Yes	NO CHANGE
52	Reconnected	136.6800384	Yes	NO CHANGE
56	Reconnected	121.2461309	Yes	NO CHANGE
58	Reconnected	892.674957	Yes	NO CHANGE
61	Reconnected	898.1866873	Yes	ROTATIONAL
63	Reconnected	403.8367111	Yes	ROTATIONAL
	Minimally connected	38.48603533	Yes	NO DISCHARGE
64	Unconnected	85.6569842	Yes	NO DISCHARGE
67	Unconnected	140.2748512	Yes	NO DISCHARGE
68	Unconnected	162.8046621	Yes	NO DISCHARGE
69	Reconnected	428.3696038	Yes	NO CHANGE
70	Reconnected	182.7325068	Yes	NO CHANGE
	Minimally connected	259.7757411	Yes	NO CHANGE
72	Reconnected	475.6782707	Yes	NO CHANGE
	Minimally connected	259.253337	Yes	NO CHANGE
75	Minimally connected	262.848691	Yes	NO CHANGE
	Minimally connected	357.2923728	Yes	NO CHANGE
77	Unconnected	110.2275132	Yes	NO DISCHARGE

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
80	Unconnected Minimally connected	50.918591 94.01146409	Yes	NO DISCHARGE NO CHANGE
82	Reconnected Minimally connected	28.21908431 213.2999096	Yes	NO CHANGE
84	Restored Minimally connected	223.1055481 461.7895308	Yes	NO CHANGE
85	Minimally connected	553.9832268	Yes	NO CHANGE
87	Reconnected Minimally connected	544.2335121 578.6759683	Yes	NO CHANGE
88	Minimally connected	46.82826726	Yes	NO CHANGE
89	Unconnected	102.279086	Yes	NO DISCHARGE
90	Unconnected	221.0668073	Yes	NO DISCHARGE
91	Unconnected	969.7297179	Yes	NO DISCHARGE
92	Unconnected	304.9756492	Yes	NO DISCHARGE
93	Minimally connected	139.3679016	Yes	NO CHANGE
94	Unconnected Minimally connected	72.73607287	Yes	NO DISCHARGE
95	Restored	32.55842363	Yes	NO DISCHARGE
96	Restored	85.16406976	Yes	NO CHANGE
97		1551.78582	Yes	NO DISCHARGE
98		512.338504	Yes	NO DISCHARGE
99		142.8657732	No	ROTATIONAL
100		148.2158494	No	ROTATIONAL
101		161.7730076	No	ROTATIONAL
102		50.73049168	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
106		30.12905383	No	OPEN
107		320.6361941	No	ROTATIONAL
108		119.0234589	No	ROTATIONAL
109		151.9472976	No	ROTATIONAL
110		139.7875075	No	ROTATIONAL
111		14.05293246	No	OPEN
112		79.97280532	No	OPEN
113		44.07778285	No	OPEN
114		38.41315988	No	ROTATIONAL
115		90.92531474	No	ROTATIONAL
116		18.74940302	No	ROTATIONAL
117		17.97889284	No	ROTATIONAL
118		20.16131043	No	ROTATIONAL
119		11.79160458	No	ROTATIONAL
120		16.81744028	No	ROTATIONAL
121		25.59109844	No	ROTATIONAL
122		14.02114596	No	ROTATIONAL
123		10.38539126	No	ROTATIONAL
124		39.09362412	No	ROTATIONAL
125		14.97837432	No	ROTATIONAL
126		12.31589485	No	ROTATIONAL
127		10.7936133	No	ROTATIONAL
128		22.38929482	No	OPEN
129		40.66964743	No	ROTATIONAL
130		51.43427715	No	ROTATIONAL
131		142.8082468	No	ROTATIONAL
132		55.40200006	No	OPEN
133		40.59833677	No	ROTATIONAL
134		44.74665931	No	ROTATIONAL
135		21.82857654	No	ROTATIONAL

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
136		37.58338667	No	ROTATIONAL
137		30.12710364	No	ROTATIONAL
138		9.464703444	No	ROTATIONAL
139		158.3129965	No	ROTATIONAL
140		65.70600475	No	OPEN
141		67.99756694	No	ROTATIONAL
142		150.4278541	No	ROTATIONAL
143		16.93317096	No	ROTATIONAL
144		27.43281772	No	OPEN
145		60.20890049	No	ROTATIONAL
146		157.2585475	No	ROTATIONAL
147		8.304986042	No	ROTATIONAL
148		105.5758742	No	ROTATIONAL
149		16.10325062	No	ROTATIONAL
150		57.44689389	No	ROTATIONAL
151		11.35573005	No	OPEN
152		236.346139	No	OPEN
153		76.07674657	No	ROTATIONAL
154		260.1070141	No	ROTATIONAL
155		159.6946126	No	ROTATIONAL
156		397.5021716	No	ROTATIONAL
157		58.68693163	No	OPEN
158		2.189586014	No	OPEN
159		6.359299995	No	OPEN
160		8.020482826	No	OPEN
161		120.9866588	No	ROTATIONAL
162		4.532255565	No	OPEN
163		49.42378182	No	OPEN
164		12.21115659	No	OPEN
165		8.806459546	No	OPEN

IMPOUND_ID	IMPOUND_TYPE	IMPOUND_ACRES	BURN_UNIT	IMPOUND_SCHEME
166		182.5061341	No	ROTATIONAL
167		608.4117132	No	OPEN
168		171.9961633	No	ROTATIONAL
169		120.6769493	No	ROTATIONAL
170		198.9368011	No	ROTATIONAL
171		42.3222439	No	OPEN
172		155.987261	No	ROTATIONAL
173		352.1702864	No	ROTATIONAL
174		238.4335958	No	ROTATIONAL
175		44.69168853	No	ROTATIONAL
176		34.72759876	No	ROTATIONAL
177		2.311314039	No	OPEN
178		5.223074532	No	OPEN
179		59.47858391	No	ROTATIONAL
180		7.304944087	No	ROTATIONAL
181		48.96138874	No	OPEN
182		4.692455372	No	NO DISCHARGE
183		4.754444032	No	NO DISCHARGE
184		0.811650167	No	NO DISCHARGE
185		130.465404	No	ROTATIONAL
186		125.2443183	No	OPEN
187		79.12670422	No	OPEN
188		30.67585406	No	OPEN
189		149.772203	No	ROTATIONAL
190		24.68420547	No	OPEN ALL YEAR
191		280.8471295	No	ROTATIONAL
192		24.18544491	No	OPEN
193		1291.882239	No	ROTATIONAL
194		747.7397255	No	ROTATIONAL
195		79.57883098	No	ROTATIONAL

<u>IMPOUND_ID</u>	<u>IMPOUND_TYPE</u>	<u>IMPOUND_ACRES</u>	<u>BURN_UNIT</u>	<u>IMPOUND_SCHEME</u>
196		51.09786652	No	ROTATIONAL
197		11.13014867	No	NO DISCHARGE
198		13.56290545	No	ROTATIONAL
199		100.3673955	No	ROTATIONAL
200		89.2157334	No	NO DISCHARGE
201		187.5349559	No	ROTATIONAL
202		34.24790419	No	ROTATIONAL
203		23.2748784	No	ROTATIONAL
204		125.6240798	No	ROTATIONAL
205		34.59884257	No	ROTATIONAL

Appendix F: ET Constants

YYYYMM	No_Days	Pervious	Impervious
199501	31	0.73	0.226700803
199502	28	0.87	0.196393882
199503	31	1.92	0.177389787
199504	30	3.62	0.198235912
199505	31	4.22	0.218028096
199506	30	3.31	0.189393967
199507	31	3.13	0.201414763
199508	31	2.85	0.200263024
199509	30	2.51	0.172181654
199510	31	1.87	0.182903393
199511	30	1.44	0.207554794
199512	31	0.81	0.23762385
199601	31	0.73	0.226700803
199602	29	0.87	0.196393882
199603	31	1.92	0.177389787
199604	30	3.62	0.198235912
199605	31	4.22	0.218028096
199606	30	3.31	0.189393967
199607	31	3.13	0.201414763
199608	31	2.85	0.200263024
199609	30	2.51	0.172181654
199610	31	1.87	0.182903393
199611	30	1.44	0.207554794
199612	31	0.81	0.23762385
199701	31	0.73	0.226700803
199702	28	0.87	0.196393882
199703	31	1.92	0.177389787
199704	30	3.62	0.198235912

YYYYMM	No_Days	Pervious	Impervious
199705	31	4.22	0.218028096
199706	30	3.31	0.189393967
199707	31	3.13	0.201414763
199708	31	2.85	0.200263024
199709	30	2.51	0.172181654
199710	31	1.87	0.182903393
199711	30	1.44	0.207554794
199712	31	0.81	0.23762385
199801	31	0.73	0.226700803
199802	28	0.87	0.196393882
199803	31	1.92	0.177389787
199804	30	3.62	0.198235912
199805	31	4.22	0.218028096
199806	30	3.31	0.189393967
199807	31	3.13	0.201414763
199808	31	2.85	0.200263024
199809	30	2.51	0.172181654
199810	31	1.87	0.182903393
199811	30	1.44	0.207554794
199812	31	0.81	0.23762385
199901	31	0.73	0.226700803
199902	28	0.87	0.196393882
199903	31	1.92	0.177389787
199904	30	3.62	0.198235912
199905	31	4.22	0.218028096
199906	30	3.31	0.189393967
199907	31	3.13	0.201414763
199908	31	2.85	0.200263024
199909	30	2.51	0.172181654
199910	31	1.87	0.182903393

YYYYMM	No_Days	Pervious	Impervious
199911	30	1.44	0.207554794
199912	31	0.81	0.23762385
200001	31	0.73	0.226700803
200002	29	0.87	0.196393882
200003	31	1.92	0.177389787
200004	30	3.62	0.198235912
200005	31	4.22	0.218028096
200006	30	3.31	0.189393967
200007	31	3.13	0.201414763
200008	31	2.85	0.200263024
200009	30	2.51	0.172181654
200010	31	1.87	0.182903393
200011	30	1.44	0.207554794
200012	31	0.81	0.23762385
200101	31	0.73	0.226700803
200102	28	0.87	0.196393882
200103	31	1.92	0.177389787
200104	30	3.62	0.198235912
200105	31	4.22	0.218028096
200106	30	3.31	0.189393967
200107	31	3.13	0.201414763
200108	31	2.85	0.200263024
200109	30	2.51	0.172181654
200110	31	1.87	0.182903393
200111	30	1.44	0.207554794
200112	31	0.81	0.23762385
200201	31	0.73	0.226700803
200202	28	0.87	0.196393882
200203	31	1.92	0.177389787
200204	30	3.62	0.198235912

YYYYMM	No_Days	Pervious	Impervious
200205	31	4.22	0.218028096
200206	30	3.31	0.189393967
200207	31	3.13	0.201414763
200208	31	2.85	0.200263024
200209	30	2.51	0.172181654
200210	31	1.87	0.182903393
200211	30	1.44	0.207554794
200212	31	0.81	0.23762385
200301	31	0.73	0.226700803
200302	28	0.87	0.196393882
200303	31	1.92	0.177389787
200304	30	3.62	0.198235912
200305	31	4.22	0.218028096
200306	30	3.31	0.189393967
200307	31	3.13	0.201414763
200308	31	2.85	0.200263024
200309	30	2.51	0.172181654
200310	31	1.87	0.182903393
200311	30	1.44	0.207554794
200312	31	0.81	0.23762385
200401	31	0.73	0.226700803
200402	29	0.87	0.196393882
200403	31	1.92	0.177389787
200404	30	3.62	0.198235912
200405	31	4.22	0.218028096
200406	30	3.31	0.189393967
200407	31	3.13	0.201414763
200408	31	2.85	0.200263024
200409	30	2.51	0.172181654
200410	31	1.87	0.182903393

YYYYMM	No_Days	Pervious	Impervious
200411	30	1.44	0.207554794
200412	31	0.81	0.23762385
200501	31	0.73	0.226700803
200502	28	0.87	0.196393882
200503	31	1.92	0.177389787
200504	30	3.62	0.198235912
200505	31	4.22	0.218028096
200506	30	3.31	0.189393967
200507	31	3.13	0.201414763
200508	31	2.85	0.200263024
200509	30	2.51	0.172181654
200510	31	1.87	0.182903393
200511	30	1.44	0.207554794
200512	31	0.81	0.23762385
200601	31	0.73	0.226700803
200602	28	0.87	0.196393882
200603	31	1.92	0.177389787
200604	30	3.62	0.198235912
200605	31	4.22	0.218028096
200606	30	3.31	0.189393967
200607	31	3.13	0.201414763
200608	31	2.85	0.200263024
200609	30	2.51	0.172181654
200610	31	1.87	0.182903393
200611	30	1.44	0.207554794
200612	31	0.81	0.23762385
200701	31	0.73	0.226700803
200702	28	0.87	0.196393882
200703	31	1.92	0.177389787
200704	30	3.62	0.198235912

YYYYMM	No_Days	Pervious	Impervious
200705	31	4.22	0.218028096
200706	30	3.31	0.189393967
200707	31	3.13	0.201414763
200708	31	2.85	0.200263024
200709	30	2.51	0.172181654
200710	31	1.87	0.182903393
200711	30	1.44	0.207554794
200712	31	0.81	0.23762385
200801	31	0.73	0.226700803
200802	29	0.87	0.196393882
200803	31	1.92	0.177389787
200804	30	3.62	0.198235912
200805	31	4.22	0.218028096
200806	30	3.31	0.189393967
200807	31	3.13	0.201414763
200808	31	2.85	0.200263024
200809	30	2.51	0.172181654
200810	31	1.87	0.182903393
200811	30	1.44	0.207554794
200812	31	0.81	0.23762385
200901	31	0.73	0.226700803
200902	28	0.87	0.196393882
200903	31	1.92	0.177389787
200904	30	3.62	0.198235912
200905	31	4.22	0.218028096
200906	30	3.31	0.189393967
200907	31	3.13	0.201414763
200908	31	2.85	0.200263024
200909	30	2.51	0.172181654
200910	31	1.87	0.182903393

YYYYMM	No_Days	Pervious	Impervious
200911	30	1.44	0.207554794
200912	31	0.81	0.23762385
201001	31	0.73	0.226700803
201002	28	0.87	0.196393882
201003	31	1.92	0.177389787
201004	30	3.62	0.198235912
201005	31	4.22	0.218028096
201006	30	3.31	0.189393967
201007	31	3.13	0.201414763
201008	31	2.85	0.200263024
201009	30	2.51	0.172181654
201010	31	1.87	0.182903393
201011	30	1.44	0.207554794
201012	31	0.81	0.23762385